



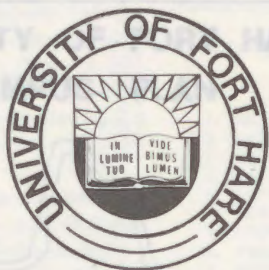
**UNIVERSITY
OF FORT HARE**

CALENDAR

1985

Correspondence

UNIVERSITY OF FORT HARE



UNIVERSITY OF FORT HARE

CALENDAR

1985

Correspondence

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University of Fort Hare
Private Bag X1314
ALICE
Republic of Ciskei**



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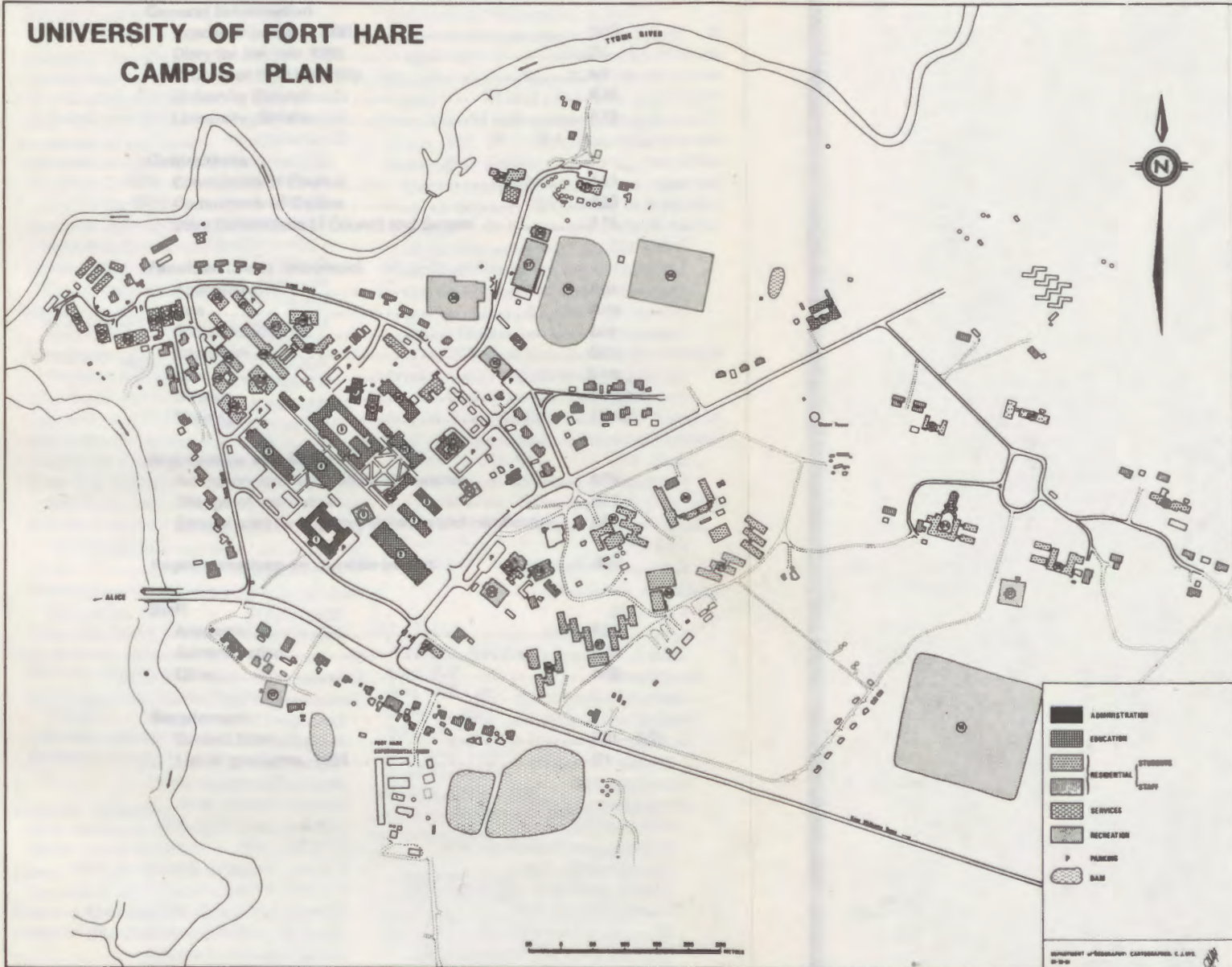
Enquiries, admissions, library and academic departments	Alice 281
University Librarian	Alice 313
Building Section	Alice 349
Fort Hare Research Farm	Alice 45
Honeydale Research Farm	Alice 2602

(Alice Telephone Code: 043522)

CALENDAR

1982

UNIVERSITY OF FORT HARE CAMPUS PLAN



KEY TO NUMBERED BUILDINGS

1. ADMINISTRATION BUILDING
2. FACULTY OF ARTS
3. CHEMISTRY BUILDING
4. FACULTY OF SCIENCE/LECTURE ROOMS
5. LIVINGSTONE HALL
6. NEW STAFF CENTRE
7. FACULTY OF LAW
8. FACULTY OF ECONOMIC SCIENCES
9. BIOLOGICAL SCIENCES
10. BIOLOGICAL SCIENCES
11. STEWART HALL
12. FACULTY OF AGRICULTURE
13. LIBRARY
14. C.U. HALL
15. STUDENT'S CENTRE
16. SWIMMING POOL
17. TENNIS COURTS
18. SPORT FIELDS
19. DEPARTMENT OF FINE ARTS
20. TIYO-SOGA
21. TYALI
22. TIYO-SOGA
23. UNIVERSITY CHAPEL
24. TIYO-SOGA
25. TYALI
26. WESLEY HALL
27. Z.K. MATTHEWS HALL
28. IONA AND JABAVU HALL
29. JOLOBE HALL
30. BEDA HALL
31. IONA HALL
32. OLD GYMNASIUM
33. CENTRAL KITCHEN
34. GREAT HALL
35. INDOOR SPORT COMPLEX
(Under Construction)
36. EMFUNDWENI
37. MOLEFE BUILDING
38. GYMNASIUM
39. ELITHENI
40. ELITHENI
41. ELITHENI
42. E-ZOLA
43. DINING HALL
44. E-ZOLA
45. E-ZOLA HALL
46. ELUKHAYISWENI
47. ELUKHAYISWENI
48. ELUKHAYISWENI
49. ETHEMBENI
50. STORES
51. GARAGES
52. STORES
53. WORK SHOP
54. MAINTENANCE
55. BUILDING DIVISION
56. HENDERSON HALL

	ADMINISTRATION
	EDUCATION
	RESIDENTIAL
	STUDENTS
	STAFF
	SERVICES
	RECREATION
	PARKINGS
	BATH

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January	February	March	April
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S

- Chemistry, **A32**
- Geography, **A33**
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- Surveying, **A34**
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- New Testament Studies and Pastoral Theology, **A26**
- Systematic Theology, **A26**
- Ecclesiastical History and Missiology, **A26**

January	February	March	April
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
May	June	July	August
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
September	October	November	December
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

DATES OF ACADEMIC TERMS

First Term — 25 February — 3 April 1985

Second Term — 10 April — 14 June 1985

Third Term — 15 July — 4 September 1985

Fourth Term — 10 September — 6 December 1985

COMMENCEMENT AND OTHER DATES

- 4 February — Induction course for academic staff
- 12-14 February — Registration Zwelitsha students
- 6 February — Bridging Course for First year students commences
- 18-22 February — Registration Week (All Fort Hare students)
- 25 February — Lectures commence
- 4 May — Graduation Ceremony
- 21 October — Examinations commence
- 31 October — Final date for applications for admission in 1986.
- 6 December — Last day of second semester

1984

January							February							March							April						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4				1	2	3	1	2	3	4	5	6	7	
8	9	10	11	12	13	14	5	6	7	8	9	10	11	4	5	6	7	8	9	10	8	9	10	11	12	13	14
15	16	17	18	19	20	21	12	13	14	15	16	17	18	11	12	13	14	15	16	17	15	16	17	18	19	20	21
22	23	24	25	26	27	28	19	20	21	22	23	24	25	18	19	20	21	22	23	24	22	23	24	25	26	27	28
29	30	31					26	27	28	29				25	26	27	28	29	30	31	29	30					

May							June							July							August						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4						1	2	1	2	3	4	5	6	7				1	2	3	4
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31					26	27	28	29	30	31	

September							October							November							December									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
						1				1	2	3	4	5	6						1	2	3							1
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8			
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15			
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22			
23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	23	24	25	26	27	28	29				
30																					30	31								

1985

January							February							March							April						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4						1	2						1	2				1	2	3	4
6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31			24	25	26	27	28			24	25	26	27	28	29	30	28	29	30				

May							June							July							August							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4						1	2				1	2	3	4						1	2	3
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	31	

September							October							November							December										
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				
			1	2	3	4				1	2	3	4	5						1	2				1	2	3	4	5	6	7
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14				
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21				
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28				
29	30						27	28	29	30	31			24	25	26	27	28	29	30	29	30	31								

1986

January							February							March							April							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4						1	2						1	2				1	2	3	4	5
5	6	7	8	9	10	11	2	3	4	5	6	7	8	2	3	4	5	6	7	8	6	7	8	9	10	11	12	
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15	13	14	15	16	17	18	19	
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22	20	21	22	23	24	25	26	
26	27	28	29	30	31		23	24	25	26	27	28	29	23	24	25	26	27	28	29	27	28	29	30				

May							June							July							August									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
				1	2	3				1	2	3	4	5				1	2	3	4	5						1	2	3
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9			
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16			
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23			
25	26	27	28	29	30	31	29	30						27	28	29	30	31			24	25	26	27	28	29	30			

September							October							November							December									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
			1	2	3	4				1	2	3	4						1	2				1	2	3	4	5	6	7
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13			
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20			
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27			
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31						

METRIC CONVERSION TABLES

The bold figures in the central columns can be read as either the metric or the British measure. Thus 1 inch = 25.400 millimetres; or 1 millimetre = 0.03937 inches. For tens, move decimal point one place to the right, for hundreds two places, for thousands three places etc. Then convert higher quantities thus: 2ft 9in = 762.000 mm + 76.200 mm = 838.200 mm

LENGTH

Inches		Millimetres
0.03937	1	25.400
0.07874	2	50.800
0.11811	3	76.200
0.15748	4	101.600
0.19685	5	127.000
0.23622	6	352.400
0.27559	7	177.800
0.31496	8	203.200
0.35433	9	228.600

Yards		Metres
1.0936	1	0.9144
2.1872	2	1.8288
3.2808	3	2.7432
4.3744	4	3.6576
5.4681	5	4.5720
6.5617	6	5.4864
7.6553	7	6.4008
8.7489	8	7.3152
9.8425	9	8.2296

Miles		Kilometres
0.6214	1	1.6093
1.2427	2	3.2187
1.8641	3	4.8280
2.4855	4	6.4374
3.1069	5	8.0467
3.7282	6	9.6561
4.3496	7	11.2654
4.9710	8	12.8748
5.5923	9	14.4841

AREA

Sq Inches		Sq Centimetres
0.15500	1	6.452
0.31000	2	12.903
0.46500	3	19.355
0.62000	4	25.806
0.77500	5	32.258
0.93000	6	38.710
1.08500	7	45.161
1.24000	8	51.613
1.39500	9	58.064

Sq Feet		Sq Metres
10.764	1	0.09290
21.528	2	0.18581
32.292	3	0.27871
43.056	4	0.37161
53.820	5	0.46452
64.583	6	0.55742
75.347	7	0.65032
86.111	8	0.74322
96.875	9	0.83613

Sq Yards		Sq Metres
1.1960	1	0.8361
2.3920	2	1.6723
3.5880	3	2.5084
4.7840	4	3.3446
5.9800	5	4.1808
7.1760	6	5.0169
8.3719	7	5.8529
9.5679	8	6.6890
10.7639	9	7.5251

Acre		Hectares
2.471	1	0.4047
4.942	2	0.8094
7.413	3	1.2141
9.884	4	1.6187
12.355	5	2.0234
14.826	6	2.4281
17.297	7	2.8328
19.768	8	3.2375
22.239	9	3.6422

Sq Miles		Sq Kilometres
0.3861	1	2.5900
0.7722	2	5.1800
1.1583	3	7.7700
1.5444	4	10.3600
1.9305	5	12.9499
2.3166	6	15.5399
2.7027	7	18.1299
3.0888	8	20.7199
3.4749	9	23.3099

VOLUME

Cu Feet		Cu Metres
35.315	1	0.02832
70.629	2	0.05663
105.944	3	0.08495
141.259	4	0.11327
176.573	5	0.14158
211.888	6	0.16990
247.203	7	0.19822
282.517	8	0.22653
317.832	9	0.25485

Cu Yards		Cu Metres
1.3080	1	0.7646
2.6160	2	1.5291
3.9239	3	2.2937
5.2318	4	3.0582
6.5398	5	3.8228
7.8477	6	4.5873
9.1557	7	5.3519
10.4636	8	6.1164
11.7716	9	6.8810

Pints		Litres
1.75976	1	0.56826
3.51952	2	1.13652
5.27928	3	1.70478
7.03904	4	2.27304
8.79880	5	2.84131
10.55856	6	3.40957
12.31832	7	3.97783
14.07808	8	4.54609
15.83784	9	5.11435

Gallons		Litres
0.21997	1	4.54609
0.43994	2	9.09218
0.65991	3	13.6383
0.87988	4	18.1844
1.09985	5	22.7305
1.31982	6	27.2766
1.53978	7	31.8226
1.75975	8	36.3687
1.97972	9	40.9148

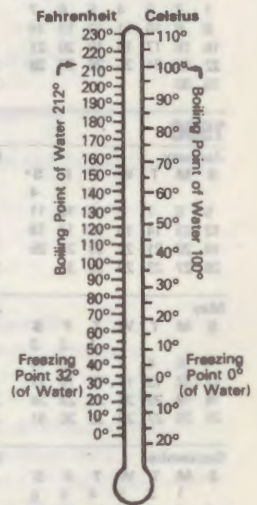
MASS

Ounces		Grams
0.035274	1	28.350
0.070548	2	56.699
0.105822	3	85.049
0.141096	4	113.398
0.176370	5	141.748
0.211644	6	170.097
0.246918	7	198.447
0.282192	8	226.796
0.317466	9	255.146

Pounds		Kilograms
2.2046	1	0.45359
4.4092	2	0.90718
6.6139	3	1.36077
8.8185	4	1.81437
11.0231	5	2.26796
13.2277	6	2.72155
15.4324	7	3.17515
17.6370	8	3.62874
19.8416	9	4.08233

Tons		Tonnes (1 000 kg)
0.9842	1	0.1060
1.9684	2	0.2021
2.9526	3	0.3041
3.9368	4	0.4062
4.9210	5	0.5082
5.9052	6	0.6093
6.8894	7	0.7113
7.8737	8	0.8129
8.8579	9	0.9144

TEMPERATURE



DIARY 1985

JANUARY

1	Public Holiday
2	
3	
4	
5	
6	
7	Lectures commence for pre-arranged postgraduate courses
8	
9	
10	
11	
12	
13	
14	Health Sciences Academic Staff report for duty
15	
16	
17	
18	
19	
20	
21	BCur students report at Cecilia Makiwane Hospital/Student Orientation Commences.
22	
23	
24	
25	
26	
27	
28	
29	Academic Staff report for duty
30	
31	BACur students to report at Cecilia Makiwane Hospital

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DIARY
METRIC CONVERSION TABLES

FEBRUARY

Frid	1	Postgraduate and supplementary examinations commence Address to all academic staff by Rector Department of Health Sciences lectures commence
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Mon	4	Induction course for new academic staff Student Counselling Committee
Tues	5	Hostels open for new first year students
Wed	6	Academic opening and commencement of Bridging Course
Thurs	7	Aptitude tests for Bridging course students
Frid	8	Aptitude tests for non-Bridging course new first year students Professional Committee

Mon	11	Aptitude tests for non-Bridging course new first year students Practical tuition commences for senior music students Fort Hare Institute of Management Control Committee
Tues	12	Farm Committee Zwelitsha Branch: Registration (all courses) Department of Health Sciences: Registration
Wed	13	Zwelitsha Branch: Registration (all courses)
Thurs	14	Staffing Committee Zwelitsha Branch: Registration (all courses)
Frid	15	Zwelitsha Branch: Orientation for new first year students Hostels open for senior students Finance Committee Postgraduate and supplementary examinations cease

Mon	18	Registration week commences* Zwelitsha Branch: Official opening and commencement of lectures
Tues	19	
Wed	20	BCur — Excursion/Practical
Thurs	21	
Frid	22	Registration week ends

Mon	25	Lectures commence (Fort Hare) Zwelitsha Branch: Final date for late registration and changes of course
Tues	26	Maintenance Committee
Wed	27	
Thurs	28	

*Details available on request and to be circulated on notice-boards.

MARCH

Test Group

Frid	1	Library Control Committee Working Committee: Health Sciences	
Mon	4	Final date: Late registration and changes of faculty to Science, Agriculture, Education (Science, Agriculture and Music options)	A
Tues	5	Final date: Late registration and changes of faculty to Law, Economic Sciences, Education (Commerce option) Building Committee	B
Wed	6	Final date: Late registration and changes of faculty to Arts, Theology, Education (Arts and Fine Arts options)	C
Thurs	7	Bursaries Committee	D
Frid	8	Central Planning Committee Final date: changes of subject course within faculties	E
Mon	11	Academic Development Centre Control Committee	F
Tues	12	Faculties of Economic Sciences and Agriculture*	G
Wed	13		—
Thurs	14	Faculties of Law and Education*	—
Frid	15	Faculty of Science*	A
Mon	18	Science Workshop Control Committee Faculties of Theology and Arts*	B
Tues	19		C
Wed	20		D
Thurs	21	Publications Committee Academic Achievement Committee**	E
Frid	22	Agenda for Senate 18.04.1985 closes 12h00	F
Mon	25	Staffing Committee	G
Tues	26	ARDRI Control Committee Residences Committee	—
Wed	27		—
Thurs	28	Inaugural Lecture	A
Frid	29	Final date: Initial registration and further registration for Master's and Doctor's degrees Final date: Applications in terms of Rule G12(2) Final date: Applications for recognition of credits (prospective graduands)	B

*Fixed items on agenda

- | | |
|--|---|
| (1) Student Affairs | (7) Conference and short courses
(R/235/83) |
| (2) Conditions of leave (R/188/83) | (8) Lists of graduands |
| (3) Standing orders for Faculties (S/779/84) | (9) Changes to Rules : 1986 |
| (4) Departmental lists of examiners:
First semester | (10) Research and Capital Equipment
Committee Guidelines
(S/698/84) |
| (5) Changes in subject grouping | |
| (6) Publications guide (S/155/81 & S/538/82) | |

**Award of Bronze Medal.

APRIL

Test Group

Mon	1	Computer Centre Control Committee	C
Tues	2		—
Wed	3	First term ends	—
Thurs	4		—
Frid	5	Good Friday	—
Mon	8	Public Holiday	—
Tues	9		—
Wed	10	Second term commences	—
Thurs	11	Senex	D
Frid	12	Xhosa Literature Centre Control Committee	E
Mon	15	Fort Hare Institute of Management Advisory Council	F
Tues	16	Professorial Committee	G
Wed	17		—
Thurs	18	Inaugural Lecture	—
Frid	19		A
Mon	22	Electron Microscopy Unit Control Committee	B
Tues	23	Senate	C
Wed	24	Faculty of Agriculture: final date for submission of external examination papers to Examinations Officer	D
Thurs	25	Library Control Committee	E
Frid	26	Final date for cancellation of first semester courses	F
Mon	29	Farm Committee	G
Tues	30	Rules and Regulations Committee*	—

*Fixed item

Proposed rules for 1986 (existing courses)

MAY

Test Group

Wed	1	Faculty of Agriculture: final date for submission of internal examination papers to Examinations Officer	—
Thurs	2	Bursaries Committee	—
Frid	3	Fort Hare Institute of Management Control Committee All lecturers to wear academic dress	—
Sat	4	Graduation Ceremony	—
Mon	6	Faculty of Science*	A
Tues	7	Faculties of Theology and Economic Sciences*	B
Wed	8		C
Thurs	9	Faculties of Law and Education*	D
Frid	10	Faculties of Arts and Agriculture*	E
Mon	13	Student Counselling Committee (with Faculty Advisers)	F
Tues	14	Induction course for new academic staff	G
Wed	15	Gardens and Grounds Committee Closing date for registration in terms of Rule G.(12)(2)	—
Thurs	16	Ascension Day	—
Frid	17	University holiday	—
Mon	20	Academic Development Centre Control Committee	—
Tues	21	Residences Committee Agenda for Senate 6.6.1985 closes 12h00	—
Wed	22		A
Thurs	23	Maintenance Committee Faculty of Agriculture: final date submission of first semester marks to Examination Officer	B
Frid	24	Staffing Committee	C
Mon	27	Xhosa Dictionary Committee	D
Tues	28	Senex	E
Wed	29	Finance Committee	F
Thurs	30	Inaugural Lecture	—
Frid	31	Public Holiday	—

*Fixed items on agenda

- (1) Departmental lists of examiners
- (2) Applications for leave: 1986
- (3) Student Affairs: Higher degree registration and further registration
- (4) Submissions for new degrees, diplomas and subject courses: 1987
- (5) Submissions for new departments, faculties and institutes: 1987
- (6) Amendment of Syllabi (existing courses): 1986

JUNE

			Test Group
Mon	3	Buildings Committee	G
Tue	4	Final date submission of half-year marks to Examinations Officer	
Tue	4	Board of Survey	—
		Central Planning Committee*	
Wed	5		—
Thurs	6	Senate	A
Frid	7	Final date submission external examination papers to Examinations Officer (November Session) (Agriculture excluded)	B
		Final date for Examinations Officer to be notified of post-graduate examination period if not February 1986	
		Working Committee: Health Sciences	
Mon	10	Inaugural lecture	C
Tue	11	Time-Table Committee	D
Wed	12		E
Thurs	13		F
Frid	14	Last day first semester	G
		First semester examinations end	
Mon	17		
Tue	18		
Wed	19		
Thurs	20		
Frid	21		
Mon	24		
Tue	25		
Wed	26		
Thurs	27		
Frid	28		

*Fixed item

Faculty submissions for new courses, departments and faculties: 1987

JULY

Test Group

Mon	1		
Tues	2		
Wed	3		
Thurs	4		
Frid	5		
Mon	8		
Tues	9		
Wed	10		
Thurs	11		
Frid	12		
Mon	15	Second semester commences	
		Faculty of Agriculture: First semester examination results	
Tues	16	Fort Hare Institute of Management Control Committee	A
Wed	17	Faculty of Agriculture: lectures commence	B
Thurs	18		C
Frid	19	Final date for proposals of Honorary Degrees to Registrar (Academic)	D
Mon	22	Inaugural Lecture	E
Tues	23	Academic Development Centre Control Committee	F
Wed	24		G
Thurs	25	Final date submission of internal examination papers to Examinations Officer (Agriculture excluded)	—
Frid	26	Final date for changes of course: Faculty of Agriculture	—
Mon	29	Faculties of Theology and Economic Sciences*	A
Tues	30	Faculty of Science*	B
Wed	31	Final date for submission to Staff Officer of promotion/ salary increases (non-academic staff)	C

*Fixed items on agenda

(1) Leave substitutes

(2) Submission for promotion of staff and salary increases: 1986

AUGUST

Test Group

Thurs	1	Faculties of Arts and Agriculture*	D
Frid	2	Faculties of Law and Education* Working Committee: Health Sciences	E
Mon	5	Farm Committee	F
Tue	6	Xhosa Literature Centre Control Committee	G
Wed	7	Gardens and Grounds Committee	—
Thurs	8	Library Control Committee	—
Frid	9	Faculty of Agriculture: final date submission of external examination papers in draft form to Examinations Officer	—
Frid	9	Academic Achievement Committee Agenda for Senate 27.08.85 closes 12h00 Final date for cancellation of courses	A
Mon	12	ARDRI Control Committee	B
Tue	13	Staffing Committee Final date for submission of changes for 1986 University Calendar	C
Wed	14		D
Thurs	15	Publications Committee	E
Frid	16	Maintenance Committee	F
Mon	19	Residences Committee	G
Tue	20	Senex**	—
Wed	21		—
Thurs	22	Finance Committee	A
Frid	23	Student Counselling Committee (with Faculty Advisers)	B
Mon	26	Science Workshop Control Committee	C
Tue	27	Senate	D
Wed	28		E
Thurs	29	Buildings Committee	F
Frid	30	Rules and Regulations Committee	G

*Fixed items on agenda

- (1) Leave substitutes
- (2) Farm Committee report (Faculty of Agriculture)
- (3) Submissions for promotion of staff and salary increases: 1986

**Faculty of Agriculture : Examination results.

SEPTEMBER

Test Group

Mon	2	Fort Hare Institute of Management Advisory Council	
Tues	3	Farm Committee (Estimates)	
Wed	4	University closes	
Thurs	5		
Frid	6		
<hr/>			
Mon	9		
Tues	10	University opens	
Wed	11	Faculty of Agriculture: final date for submission of internal examination papers in draft form to Examinations Officer	A
Thurs	12	Central Planning Committee	B
Frid	13	Final date submission of departmental estimates by Deans Induction course for new academic staff	C
<hr/>			
Mon	16		
Tues	17	Inaugural address	D
Wed	18	Gardens and Grounds Committee	E
Thurs	19		F
Frid	20	Bursaries Committee Council	G
<hr/>			
Mon	23	Library Control Committee	
Tues	24		
Wed	25		
Thurs	26		
Frid	27	Final date for submission of year marks and external examination papers (February Session) to Examinations Officer	
<hr/>			
Mon	30	Faculties of Law and Education* Closing date: applications for admission to BA(SW)Hons: 1986	

*Fixed item on agenda

- (1) Progress reports Master's and Doctor's degree candidates
- (2) Examiners for Higher degree candidates (Dissertations and Theses)

OCTOBER

Tues	1	Faculties of Arts and Agriculture*
Wed	2	
Thurs	3	Faculty of Science*
Frid	4	Faculties of Theology and Economic Sciences* Working Committee: Health Sciences
Mon	7	Maintenance Committee
Tues	8	Publications Committee
Wed	9	
Thurs	10	Public Holiday
Frid	11	Agenda for Senate 31.10.1985 close 12h00 Fort Hare Institute of Management Control Committee
Mon	14	Buildings Committee
Tues	15	Computer Centre Control Committee
Wed	16	
Thurs	17	Staffing Committee Lectures cease Year marks released by Examinations Officer
Frid	18	Academic Development Centre Control Committee
Mon	21	Examinations commence
Tues	22	Senex
Wed	23	
Thurs	24	Electron Microscopy Unit Control Committee
Frid	25	Science Workshop Control Committee
Mon	28	Board of Survey
Tues	29	Finance Committee
Wed	30	Gardens and Grounds Committee
Thurs	31	Closing date: applications for admission 1986 Senate

***Fixed items on agenda**

- (1) Progress reports Master's and Doctor's degree candidates
- (2) Examiners for Higher degree candidates (dissertations and theses).

NOVEMBER

Frid	1	Farm Committee
Mon	4	Student Counselling Committee
Tues	5	Academic Achievement Committee
Wed	6	
Thurs	7	
Frid	8	
Mon	11	ARDRI Control Committee and ARDRI Advisory Council
Tues	12	Bursaries Committee
Wed	13	
Thurs	14	
Frid	15	Examinations cease
Mon	18	
Tues	19	Final date dispatch supplementary examination papers in draft form to external examiners
Wed	20	Residences close
Thurs	21	Department of Health Sciences recesses
Frid	22	Council
Mon	25	
Tues	26	
Wed	27	
Thurs	28	Residences Committee
Frid	29	Research and Capital Equipment Committee

DECEMBER

Mon	2	Faculty of Arts and Sciences	1
Tues	3		
Wed	4	Public Holiday	
Thurs	5		
Frid	6	Last day second semester Final date for submission of supplementary examination papers to the Examinations Officer	
Mon	9		
Tues	10		
Wed	11		
Thurs	12		
Frid	13		
Mon	16	Public Holiday	
Tues	17		
Wed	18		
Thurs	19		
Frid	20		
Mon	23		
Tues	24	Administrative offices close	
Wed	25		
Thurs	26		
Frid	27		
Mon	30		
Tues	31		

Administrative offices open 2 January 1986

SHORT HISTORY OF THE UNIVERSITY

The opening of Fort Hare University College on 8 February 1916 was the culmination of a long and persistent missionary endeavour in the field of education for the Blacks by the United Free Church of Scotland. As early as 1878 Dr James Stewart of Lovedale recognised the necessity for providing an Institution which would give an education, under Christian auspices, of University standing.

On representation made by Dr Stewart, the Inter-Colonial Native Affairs Commission, 1905, of which Sir Godfrey Lagden was president, recommended "that a Central Native College or similar Institution be established and aided by the various States for training Native teachers and in order to afford opportunity for higher education to Black students".

A guarantee fund was established for which an executive board, under the chairmanship of the Rev James Henderson, MA, Principal of Lovedale, was established in 1907. A grant of R20 000 was made towards the fund by the Transkeian Territories General Council. The United Free Church of Scotland offered a site at Fort Hare as part of a contribution of R10 000 and other contributions were made or promised.

In November 1914 a Constitution for the College was finally adopted and a Governing Council for the College established which held its first meeting in January 1915. The site offered at Fort Hare for the College by the United Free Church of Scotland was accepted and with the promise of an annual grant by the Government, the College was declared open on 8 February 1916 by General Louis Botha, Prime Minister of the Union of South Africa.

Dr A. Kerr was the Principal of the College on its foundation in 1916 and he served the College in this capacity until his retirement in 1948. The extension and development of the College under Dr Kerr is a fitting tribute to a life of unselfish and devoted service to the cause he had made the aim and ambition of his life.

Professor C.P. Dent, who joined the staff in 1922, was Principal from March 1949. He retired at the end of 1955, owing to ill-health, after 33 years of devoted service to the College.

After 1955 the post of Principal was not filled permanently, temporary appointments being made from time to time. Professor H.R. Burrows, who had recently retired from the Chair in Economics at the University of Natal, acted as Principal from the beginning of 1958 to the end of 1959 when the College was transferred to the Department of Education and Training and Professor J.J. Ross appointed as Rector of the College.

After the retirement of Professor Ross, Professor J.M. de Wet was appointed Rector with effect from 1 July 1968. Professor J.M. de Wet retired at the end of 1980 following a tragic accident. Professor J.A. Lamprecht was appointed Rector with effect from 1 January 1981.

Fort Hare as a College had, of course, a very small and tentative beginning. A start was made by the College on two levels. While a few students were prepared for university entrance, the majority had to make good the deficiencies of their post primary education or study for diplomas in Commerce and Agriculture. Full-time staff numbered two; classes were held in a small bungalow which was to be 'home' for the first five years.

In 1918, the Union Government lent R21 600 to build the middle portion of the main tuition block, which the Governing Council unanimously agreed to associate with the name of Dr. Stewart. In spite of the difficulty of war conditions, the erection of the first permanent building of the College was ensured. In the same year the Wesleyan Methodist Church of South Africa, which had been interested in the scheme from its inception, determined to proceed immediately with a hostel to accommodate students belonging to that denomination and, availing itself of opportunities provided by the Governing Council, resolved to transfer its Theological Seminary for Black Ministers to Fort Hare.

The Administration of Basutoland (now Lesotho) began in 1919 to contribute an annual grant of R600 to the funds of the College and sent a representative to sit on the Governing Council of the College. The first portion of Stewart Hall was completed and taken over for teaching in 1920. This was formally opened by the Rt Hon. F.S. Malan, Minister for Education, on 8 January 1921. A Wesleyan hostel and warden's residence were completed and the warden appointed to the staff in the same year. The Church of the Province rented a house as a temporary hostel, the warden being made a member of the College staff.

The College was incorporated as an institution for higher education under the Education Act of 1923. Students were prepared for the degrees of the University of South Africa, a federal university consisting of a number of constituent colleges. Fort Hare was not one of these colleges and its students were registered as external students. The University, however, eventually allowed to Fort Hare some of the privileges granted to the Constituent Colleges.

Five members of the staff of Fort Hare were appointed as additional members of the Boards of Faculties of the Senate of the University, thus giving them a share in the framing of regulations, syllabi and courses of study. Further, professors and lecturers of the College were accorded the status of internal examiners. Students were granted, *inter alia*, privileges afforded internal students, and Fort Hare was recognised as an approved institution of training for the University Education Diploma. Although from 1924 the College assumed the dual role of a secondary school and a University College, by 1937 it was possible to concentrate on the studies of a higher education programme.

Beginning in 1921 buildings were erected for: Arts and Science; a Library, named after a great Johannesburg liberal of bygone days, Howard Pim; and the F.S. Malan Anthropological Museum; together with an assembly hall, dining hall, three hostels for men, one for women — all built to a master plan drawn up by the Department of Public Works and all suitable for extension and addition. While substantial contributions were made by donors, the main financing, apart from Government subsidies, was that of the three co-operating churches. In addition the YMCA's of the United States and Canada provided a Christian Union building.

To improve agricultural training an additional farm of 1 250 acres and dairy cattle were purchased in 1926. The College Farm land was thus brought up to a total of some 1 600 acres.

In 1934 the Chamber of Mines gave R150 000 as an endowment for medical education for Blacks and this was handed over to the College for that purpose by the Minister of Education. In the same year separate departments of Botany and Physics were established, making a BSc course possible. In March 1936 Senator the Rt Hon F.S. Malan laid the foundation stone of the new Science Block for Chemistry, Physics and Medicine. This was named Livingstone Hall and declared open by the Hon J.H. Hofmeyr, MA, LL.D, on 24 March 1937.

On 8 November 1940 the Welsh Wing of Stewart Hall, which housed the biological laboratories and lecture-rooms, was declared open by Senator the Hon. W.T. Welsh. Towards the cost of this the Transkei gave R2 000 in recognition of the services of Senator Welsh as Chief Magistrate from 1920-1933. On 5 April 1941 the Women's Hostel (Elukhanyisweni) was declared open by Mrs M. Ballinger, MA, MP.

Henderson Hall, housing the Howard Pim Library and the F.S. Malan Museum, was declared open on 28 March 1942 by Rev A.W. Wilkie, DD, CBE. On 20 September 1946 Lt Col James Donaldson, DSO, founder of the Bantu Welfare Trust and donor of about R400 000 to African progress, laid the foundation stone of the Donaldson Wing of Stewart Hall, thus completing the original teaching block of the College.

During 1947 and 1948 the Presbyterian, Methodist and Anglican Hostels were extended, thus making provision for over 300 men students. A dining hall and additional bedrooms were completed at the Women's Hostel in 1949. Yet between 1937 and 1951 development was

retarded through the absence of staff on war service and because of financial stringency. By 1950, however, the student roll had increased from 139 to 382.

As it became clear that some of the constituent colleges of the University of South Africa would eventually branch out into independent universities, the Government appointed a commission to report upon the future structure of higher education in South Africa. This commission recommended that the existing constituent colleges, with the exception of Hugenot University College, should be accorded independent university status and Fort Hare affiliated to one of the independent universities. In March 1951 Fort Hare became allied to its nearest friend and neighbour, Rhodes University, one hundred kilometres away. This association was most valuable to Fort Hare: it gave the assurance that her students would continue to be measured by the academic standards applied to Whites.

In accordance with Government Notice No. 168, 1959 (*Government Gazette* of 21 August 1959, p12) issued in terms of sub-section (2) of the University College of Fort Hare Transfer Act, 1959 (Act No. 64 of 1959) the maintenance, management and control of the University College of Fort Hare was assigned to the Minister of Bantu Education (now the Minister of Education and Training) with effect from the 1 January 1960.

The transfer of the college to the Department of Bantu Education was effected as a necessary step in the implementation by the Government of its policy to provide more adequate and more effective university training for Blacks by the creation of separate university colleges for the different ethnic groups.

The University of Fort Hare catered specifically for the Xhosa-speaking group. The Universities at Turfloop (Northern Transvaal) and Ngoye (Zululand) catered for the Sotho and the Zulu-speaking groups, respectively. Coloured students were provided for at the University of Western Cape at Bellville, and the University of Durban-Westville was founded for Indian students.

The Act provided for the University of South Africa to act as examiner in all courses for which the syllabus of the University makes provision. In regard to the prescribing of courses and the conduct of examinations, there was the closest co-operation between the University College and the University of South Africa.

The enrolment since 1960, the year of the transfer, has been as follows (the figures are the official figures as on the first Tuesday of June):

	Men	Women	Total
1960	308	52	360
1965	245	72	317
1970	470	143	613
1973	883	437	1 320
1976	1 110	541	1 651
1977	1 065	563	1 628
1978	1 188	656	1 844
1979	1 768	930	2 698
1980	2 054	1 004	3 058
1981	1 556	854	2 410
1982	2 070	1 104	3 174
1983	1 723	1 079	2 802
1984	1 845	1 225	3 070

The drop in enrolment for the first few years was anticipated in view of the opening of the other University Colleges whose students would formerly have registered at Fort Hare. Since the low point in 1963 there has been a marked increase in student enrolment attributable to the increasing number of scholars who qualify for admission.

1962-63 saw the start of extensions to existing buildings (Stewart Hall and Livingstone Hall) and two new buildings to house the Administration and the Library.

In terms of Government Notice No. 680 (Government Gazette of 30 April 1969) the University of Fort Hare Act granted university status to the University College of Fort Hare and provided for the autonomous administration and control of the affairs of the University, and the regulation of its activities and matters incidental thereto.

As from 1 January 1970 the University College became a university, known as the University of Fort Hare. The first Chancellor of the University, Dr P.E. Rousseau, was inducted during the 1970 graduation ceremony and independence festivities held on 30 May 1970. The Act provides that the Rector is Vice-Chancellor *ex officio* and consequently the then serving Rector, Professor J.M. de Wet, became the first Vice-Chancellor. On his retirement Professor J.A. Lamprecht, Dean of the Faculty of Theology, assumed the office of Vice-Chancellor and Rector with effect from 1 January 1981.

During the seventies the student enrolment doubled from 613 in 1970 to 1320 in 1975, buildings housing the Faculties of Agriculture, Economic Sciences, Law, and the Department of Chemistry, as well as a lecture hall complex and additions to residences were completed, and the Departments of Music, Fine Arts, Applied Computer Science and Biochemistry came into being.

At the end of 1974 the Minister expropriated the property adjoining Fort Hare belonging to the Federal Theological Seminary. This is known as the East Campus and houses students and staff. The experimental farm was extended by the addition of Napier Park.

The Dutch Reformed Church's centre for training Black ministers in Umtata, Decoligny, entered into an agreement with the University enabling Fort Hare degrees to be conferred on its students.

In 1976 a branch of the University was established at Umtata, which became the nucleus of the autonomous University of Transkei on 1 January 1977 in terms of legislation adopted by the Parliament of Transkei.

In 1976 a chair in Agriculturing Engineering, sponsored by the Fedmech Foundation for Advanced Education and Research, was established. In the same year the Agricultural and Rural Development Research Institute was formed and in 1979 the Division of External Studies began conducting extra-mural classes in a limited number of subjects in Zwelitsha.

The constitution of the University Council was changed in 1978. The Government of Ciskei was invited to nominate 2 members and Convocation one.

Various amendments to the Fort Hare Act were passed by Parliament in 1979. These include a revision of the constitution of the University Council and provision for a Convocation consisting of the Rector, Registrars, University Librarian, all permanent members of the academic staff and all graduates with the exception of those who indicate that they do not wish to become members of Convocation.

On 4 December 1981 Ciskei, in whose geographical area the University falls, became an independent Republic and the Department of Education and Training of the Republic of South Africa entered into an agreement to administer the University for an initial period of five years.

In 1981 extensive infrastructural works were undertaken and work began on a sophisticated sewerage disposal and water reclamation system. This came into operation in 1983. Plans were drawn in 1981 for a major reconstruction of the University grounds including landscaping and paving to beautify the campus, integrate the buildings and provide easy access to them. By the end of 1984 work on the central campus was complete and work had begun on the hostel surroundings.

The Centre for Xhosa Literature, established in 1981, is concerned with many aspects of the

Xhosa language from teaching and research to creating Xhosa literature archives.

In 1982 the new Arts Block was opened and the two Natural Science buildings chiefly for use by Zoology, Biology and Plant Sciences were completed. Emfundweni hostel for senior women students was also brought into use. Heating was installed in several hostels during 1983 and 1984.

During 1982 the Fort Hare Foundation was constituted with membership from leading representatives of industry and commerce throughout Southern Africa. It gives invaluable advice to Fort Hare and raises money for specific projects.

Staff needs were met in 1983 with the opening of the Staff Centre, which includes a staff restaurant and tea lounge (many staff live in surrounding towns) and has facilities for functions. The erection of 24 flats in two blocks did much to ease the staff housing problem.

The R7m Indoor Sports Complex was completed in November 1984 and work was commenced on the new Psychology and Student Counselling Block.

Administrative processes were speeded by the computing of accounts and student records in 1982. Council also requested that the Act be changed to remove reference to race, so that the University can make its own decisions about student admissions.

In 1983 approval was granted for the establishment of a new Department of Health Sciences (Nursing), and the first full-time Director of the Fort Hare Institute of Management was appointed.

Much has been done to upgrade academic achievement and help students adjust and perform to the best of their ability. In this task staff and students are aided by the Academic Development Centre, which concentrates on student and staff development, the Student Counselling Service, the Linguistic Skills Unit, and the Academic Achievement Committee.

F.S. MALAN MUSEUM

The F S Malan Museum is housed on the upper floor of Henderson Hall occupying approximately 395 m². Its history dates back to 1941 when it was established as an ethnological study museum under the Department of African Studies, a research museum with opportunities for outside research workers and a visiting institution for school children and other interested persons.

Since its inception the museum has collected over 10 000 exhibits, the bulk of which came from two donors in 1962. The first donation was received from the Department of Bantu Education which divided the Bantu exhibits of the Union Festival among the University Colleges of the Republic; the second was a donation by Mrs M E Kirkwood of Johannesburg of 7 000 articles comprising the Estelle Hamilton-Welsh Collection.

The collection was made by Mrs Gordon Emslie and her daughter Mrs Estelle Hamilton-Welsh, after whom it is named, over a period of many years commencing in the 1880's. Only articles made and worn by Africans were collected. The Collection may fairly be said to mark the end of an epoch in the material culture of the Blacks since it was made under conditions which may never recur. Large collections of Fingo, Xhosa, Mpondo, Zulu, Thembu and Ndebele beadwork, Mpondo, Thembu, Fingo, *Abakhwetha* and diviners' costumes, charms and medicines from various tribes, spears and battle axes, grass and woodwork from part of this famous collection. It was displayed at the Empire Exhibition in Johannesburg in 1936 and at the Glasgow Exhibition in 1937.

For many years the museum was administered by an Honorary curator, Professor A.J.D. Meiring, assisted by Mr G.I.M. Mzamane. A fulltime curator, Dr V.Z. Gitywa, was appointed in the middle of 1959, and works in conjunction with an assistant curator.

In 1965 a gallery of contemporary African art (A J D Meiring Art Gallery) was added to the museum. The gallery houses a fine collection of contemporary African art including works by artists such as G M M Pemba, Michael Zondi, Eric Ngcobo, Cyprian Shilakoe, Azaria Mbatha, Gladys Mgudlandlu, Dumile Matsoso etc. Exhibitions of contemporary African art are held annually in the gallery, including one-man shows. The gallery is much involved with the promotion of African art and African artists.

The University has added to its collection also a very fine collection of traditional African art, mainly from West Africa. The collection was bought from a private collector in Johannesburg. It includes pieces from the following West African peoples: Dogon, Senofo, Ashanti, Yoruba, etc. Included are masks, ritual objects and some very fine Nigerian Bronzes.

XHOSA DICTIONARY PROJECT

Dr Albert Kropf's *Kafir-English Dictionary* has, since its first appearance in 1899, been regarded as the only standard work of its kind in Xhosa. The second edition, prepared for the press by the Rev Robert Godfrey MA, was published in 1915. When this was sold out in the late 1920's or early 1930's the Rev Dr Godfrey was requested to revise the dictionary and to transcribe it into the *New Orthography* of 1934. But before it could be printed in the 1950's the orthography was modified once more to become what is now known as *Standard Xhosa Orthography*, in which the three exotic non-roman symbols of the New Orthography were eliminated. As a result of this change of orthography Godfrey's work could not be published.

As the need for a standard Xhosa Dictionary was acutely felt by students of the language, Professor J A Louw of the University of South Africa, in collaboration with the Xhosa Language Committee of the Department of Education and Training, persuaded the Lovedale

Press to have Godfrey's work transliterated into the Standard Orthography and published. Two attempts were made to have this done, but it proved impracticable until in 1966, the Rector of the University College of Fort Hare decided that the compilation of a new Xhosa Dictionary should be undertaken at Fort Hare and that the definitions should be given in both English and Afrikaans, a project since then extended to include definitions in Xhosa as well, thus making it a fully trilingual dictionary, the first of its kind for any indigenous language in South Africa. With the approval of the Minister of National Education, the National Council for Social Research (now the Human Sciences Research Council) made an annual grant of R6 000 available for the project (increased to R8 000 in 1972, R9 000 in 1974, R11 000 in 1975 and R11 500 in 1977). The University of Fort Hare undertook to contribute the salary of the Director and to provide office accommodation for all the members of the Dictionary staff and safe storage of the dictionary cards. In addition the University has now assumed responsibility for the salaries of a Senior Assistant Editor and an Assistant Director. Originally the Transkei Government offered to contribute up to R10 000 per annum for the payment of the salaries of three assistant editors. The grant has now been increased to a maximum of R12 000 per annum. The Ciskeian Government contributes R5 000 per annum.

The work of compiling the dictionary was commenced by the Director, working alone, in June 1967. The staff now consists of the Director, one Xhosa editor, an editor for Afrikaans, a research assistant, a clerical assistant and a typist. The stage has been reached where the first volume is about to be printed.

The Project is controlled on behalf of the Council of the University of Fort Hare by a *Xhosa Dictionary Committee* on which the following bodies are represented: the University of Fort Hare, the University of South Africa, the University of Cape Town, the Human Sciences Research Council, the Governments of Transkei and Ciskei, and the Lovedale Press. It has been incorporated as an integral unit of the University of Fort Hare, so that when the dictionary has been completed the organization will continue as a permanent Institute for the study of Xhosa.

THE FORT HARE FOUNDATION

The Fort Hare Foundation came into being on Tuesday June 8, 1982 when the first meeting of the Trustees was held at the University.

The aims of the Foundation are to assist the University in its fund raising campaigns, to advise on investments and publications and publicity and to guide the University regarding the manpower needs of Industry and Commerce.

The Board of Trustees will consist of not less than eight and not more than sixteen. Trustees meet at least twice a year. The Board has the right to form special sub trusts and to appoint Patrons for these sub trusts to assist them in their tasks in the various main centres of Southern Africa.

The following members have taken office for a period of three years:

- Mr D A Etheredge OBE
- Dr P E Rousseau
- Mr J M P Desmidt
- Mr J M Christopher
- Mr A C Petersen
- Mr J S J Starkey CBE
- Mr N J Organ
- Mr A D P Ovenstone
- Mr P M Searle

Two attempts were made to have the work translated into Afrikaans but it proved impossible. Mr S S Guzana, Mr C Murray, Mr B C McCarthy, Mr R J Ironside, Mr L Borman, Prof J R Sereeto, Prof J A Lamprecht (Rector and Vice-Chancellor University of Fort Hare) and Mr V Human (Secretary)

The Fort Hare Foundation came into being on Tuesday, June 2, 1982 when the first meeting of the Trustees was held at the University of Fort Hare. The aim of the Foundation is to assist the University in its development and to provide the necessary financial and administrative support. The Trustees are: Mr S S Guzana, Mr C Murray, Mr B C McCarthy, Mr R J Ironside, Mr L Borman, Prof J R Sereeto, Prof J A Lamprecht (Rector and Vice-Chancellor University of Fort Hare) and Mr V Human (Secretary).

The Fort Hare Foundation is a non-profit-making organization. Its income is derived from the sale of shares and from donations. The Trustees are responsible for the management and administration of the Foundation. The Trustees are: Mr S S Guzana, Mr C Murray, Mr B C McCarthy, Mr R J Ironside, Mr L Borman, Prof J R Sereeto, Prof J A Lamprecht (Rector and Vice-Chancellor University of Fort Hare) and Mr V Human (Secretary).

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1.1.1982 — 31.12.1985

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Professor E J de JAGER

Professor J R SERETLO

Elected by the Convocation

To be elected

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Mr H NYIKANA

Mr E S NTLABATI

Two members appointed by the
Government of the Transkei

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Mr M B POTELWA

The Registrar (Academic) is *ex officio*
Secretary of the Council

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1.1.1982 — 31.12.1985

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 Mr K M N GUZANA
 Professor E J de JAGER
 Mr J. NIENABER

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 One other member of Senate

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 Professor W G VAN DER MERWE
 (Alternate: Professor T N V
 MAQASHALÁLA)

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Beda, Jabavu and Jobobe
 Iona
 Wesley and G B Molefe
 Elukhanyisweni
 Ethembeni
 East Campus
 Ezola
 Elitheni
 Z K Matthews
 Emfundweni

Rev M T LUNGU
 Mr E M MAKHANYA
 Mr A M MDEBUKA
 Professor N KATIYA
 Mr S MAFANYA
 Mr W M SOBAHLE

Professor R B MQEKE
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 Mrs L.N. MOLAMU

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 The Asst. Registrar (Admin)
 The Dean of Students
 Council Representative
 Nominated by Senate

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 Mr R N SIGABI
 Professor J R SERETLO
 Professor M E MARKER
 Professor E MARAIS

Additional Members

The Hostel Wardens

Beda, Jabavu and Jobobe
 Iona
 Wesley and G B Molefe
 Elukhanyisweni
 Ethembeni
 East Campus
 Ezola
 Elitheni

Rev M T LUNGU
 Mr E M MAKHANYA
 Mr A M MDEBUKA
 Professor N KATIYA
 Mr S MAFANYA
 Mr W M SOBAHLE
 Professor R B MQEKE

Z K Matthews
Emfundweni
University Catering Manager

Mr C Z GEBEDA
Mrs L N MOLAMU
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Chairman of Council (*ex officio*)

The Hon. Mr Justice G G A MUNNIK
(Alternate: Mr J CHRISTOPHER)

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(*ex officio*)

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Professor J R SERETLO

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The Registrar (Finance)
The Registrar (Administration)

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Council Member
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Senate Member
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Co-opted member

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Department of Horticulture Representative
University Architect
Superintendent of Gardens and Grounds
Co-opted member
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Mr W R BELLAD-ELLIS
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 Human Sciences Research Council
 University of South Africa
 University of Transkei
 Lovedale Press
 Transkei Government
 Ciskei Government
 Director, Xhosa Dictionary Project
 Council Nominee
 Faculty of Arts

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 Dr E P WHITTLE
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 Mr P M SOBAHLE
 Mr P P JACOBS
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 Mrs B M MINI
 Professor A P KRIEL

Xhosa Dictionary Executive Committee

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Mr R B RAVEN
 Professor H W PAHL
 Professor A P KRIEL

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 Two staff members appointed by
 Council

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 Professor J R SERETLO

The Dean of Students (*ex officio*)
 Three representatives of Students'
 Sport Clubs
 The Sports Officer (*ex officio*)

To be appointed

Fort Hare Institute of Management (Control Committee)

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 Dean Faculty Economic Sciences
 Director of External Studies
 Director of the Institute
 Council Representatives
 Director of Development
 A Registrar (in advisory capacity)

Professor J B GARDNER
 Professor J B GARDNER (Vice-Chairman)
 Mr C J KOTZÉ
 Mr J CHRISTOPHER
 Mr S S GUZANA
 Mr V HUMAN

F.H.I.M. Executive Committee

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 Director of External Studies (Chairman)
 Director of the Institute
 Dean, Faculty of Economic Sciences
 A Registrar (in advisory capacity)

Professor J B GARDNER
 Mr C J KOTZÉ

F.H.I.M. Advisory Committee

The Rector (*ex officio*) (Chairman)
 The Executive Committee of the Control Committee

Two representatives of major donors of the Institute, elected by the major donors for a period of three years

One representative from the Ciskei Government

Co-opted members

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Mr I D L LOEWE (Suncrush Ltd)

One representative from the Kaffrarian Chamber of Commerce

One representative from the Border Chamber of Industries

One representative from the Afrikaanse Sakekamer, East London

Two representatives from organised commerce in the Ciskei

Any other co-opted persons as may be deemed necessary

The Rector (ex officio)
 Council Representative
 Director of External Studies
 Director of the Institute
 Director of the Institute
 Director of Development
 A Registrar (in advisory capacity)
 H.E.B. Executive Committee
 The Rector (ex officio)
 Director of External Studies (Chairman)
 Director of the Institute
 Dean, Faculty of Economic Science
 A Registrar (in advisory capacity)
 H.E.B. Executive Committee
 The Rector (ex officio)
 The Executive Committee of the Council Committee
 The Dean of Students (ex officio)
 Three representatives of Students
 Sport Clubs
 The Sports Officer (ex officio)
 The Sports Executive Committee
 The Rector (ex officio)
 Two staff members appointed by Council
 Mr W M SOBHEBE (ex officio)
 Professor J R SERETO
 The Dean of Students (ex officio)
 Three representatives of Students
 To be appointed
 The Sports Officer (ex officio)
 The Sports Executive Committee
 The Rector (ex officio)
 Director of External Studies
 Director of the Institute
 Director of Development
 A Registrar (in advisory capacity)
 H.E.B. Executive Committee
 The Rector (ex officio)
 Director of External Studies (Chairman)
 Director of the Institute
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 A Registrar (in advisory capacity)
 H.E.B. Executive Committee
 The Rector (ex officio)
 The Executive Committee of the Council Committee
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 The Sports Executive Committee
 The Rector (ex officio)
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 Professor J R SERETO
 The Dean of Students (ex officio)
 Three representatives of Students
 To be appointed
 The Sports Officer (ex officio)
 The Sports Executive Committee
 The Rector (ex officio)
 Director of External Studies
 Director of the Institute
 Director of Development
 A Registrar (in advisory capacity)
 H.E.B. Executive Committee
 The Rector (ex officio)
 Director of External Studies (Chairman)
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 A Registrar (in advisory capacity)
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1.1.1982 — 31.12.1985

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Professor G P VILJOEN

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Professor J R SERETLO

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The Registrar (Admin)

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Faculty of Agriculture

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Professor M C LAKER

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- The Registrar (Finance)
- The Registrar (Academic)
- University Architect

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Norms Advisory Sub-Committee

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- Registrar Administration
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- Additional member

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- Faculty of Science
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- Faculty of Economic Sciences
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- Representative from Department of Co-operation and Development
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- Member of Council
- Director of ARDRI
- The Vice-Chairman of the Control Committee
- A Registrar (In advisory capacity)

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Professor D R TAPSON

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The Director of Development
(co-opted member)

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elected by the donors for a period of
three years;

Representatives of Ministries of
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Representatives of Development
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Three Members of Senate

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Rev REGINALD CINGO	DEd	1977
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Warden of Hostels

University Planner

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Mr J H G de VILLIERS

Mr W ZIGANI

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R H R LIDDELL	(Theology: 1.1.1963 to 31.12.1971)	MA, DD (St. Andrews)
M H GIFFEN	(Botany: 1.1.1960 to 31.12.1968)	MA (Cape Town), MSc (Cantab) PhD (Unisa), FRMS
J T DAVIDSON	(Physics: 1.1.1960 to 31.12.1971)	MSc (Unisa)
H L N JOUBERT	(Theology: 30.4.1962 to 31.12.1975)	MA (Stell), MTh (Princeton), ThD (Amsterdam)
A S GALLOWAY	(Chemistry: 1.4.1949 to 30.6.1974)	PhD (St. Andrews), C.Chem., F.R.S.C., Cand Theol (Stell)
A COETZEE	(Afrikaans-Nederlands: 1.1.1960 to 30.6.1971 and 1.1.1973 to 13.5.1976) (Vice-Rector: 1.7.1972 to 31.12.1972 and 14.5.1976 to 20.9.1980)	MA (Unisa), D.Litt (UOVS)
O F RAUM	(Anthropology: 1.1.1953 to 31.12.1968)	PhD (London)
S LINDE	(Applied Mathematics: 1.1.1964 to 31.12.1978)	MSc (UOVS)
F HECHT	(Theology: 1.1.1964 to 31.12.1981)	Cand Phil, Cand Theol (Halle), Cand Min (Berlin), DD (Pret)
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G J J van RENSBURG	(Mathematics: 1.1.1966 to 31.12.1982)	BSc (PU vir CHO), MSc (Pret), PhD (Unisa) HED

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<i>Lecturers</i>	B B Makamba BSc (Hons) (UFH) MSc (Rhodes) V Murali MSc (Madras) MSc (Wales) Mrs J Uys BSc (Stell) BSc (Hons) (Rhodes) SOD (Stell)

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<i>Lecturer</i>	Z Jiya Msc (Hons) (UED (UFH) MSc (Southampton)
<i>Junior Lecturers</i>	M J Glwu BSc (UFH) V A Xuza BSc (Unitra)
<i>Senior Laboratory Assistant</i>	P M Mjwara BSc (UFH)
<i>Laboratory Assistant</i>	S L Radebe

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<i>Lecturer</i>	H Furness MSc PhD (Natal)
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<i>Lecturers</i>	L du T M Mayekiso BSc Hons (UFH) R M Baxter MSc (Natal)
<i>Junior Lecturer</i>	F M Ngcongca BSc (Hons) (UFH)
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H C Barnard BA (Phys Ed) (Pret) Dipl. Tertiary Educ. (Unisa)

Mrs M A Y Jiya BSc (Unisa) BEd UED (UFH) MEd (Rhodes)

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<i>Lecturer</i>	Miss C M Pillay BA(Phys.Ed) (UDW) BA(Phys.Ed) (Hons) (UPE) UHDE
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<i>Senior Technician</i>	G Kockott

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<i>Professor (Crop Science)</i>	J N Marais MSc Agric (Pret) PhD (Purdue)
<i>Lecturer (Crop Science)</i>	M N Austin MSc Agric (Natal)
<i>Senior Lecturer (Pasture Science)</i>	W S W Trollope PhD (Natal)
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<i>Senior Lecturer</i> (Horticultural Science)	M O Brutach MSc Agric (Natal)
<i>Lecturer (Horticultural Science)</i>	M B Scott MSc (UCLA)
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(Pasture Science)	
(Horticultural Science)	
(Crop Science)	

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<i>Lecturer</i>	S T Levy MSc Agric (Hebrew Univ.)
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Faculty: Arts and Agriculture

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Clerk Grade II

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(Administration)
Assistant Registrar (Administration)
Secretary to the Assistant
Registrar (Administration)

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G N Zide MA (UFH)
Miss K Mda

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Senior Typist
Typist

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D Ngada

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Transport Officer
Clerk Grade I

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E M Jwambi

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Mrs Z C Silani

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Electricians

Superintendent of Buildings
Caretaker
Senior Clerk
Typist

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Horticulturist

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Secretary to the Registrar
(Finance)
Assistant Registrar (Finance
and Stores)
Secretary to the Assistant
Registrar (Finance)
Internal Auditor
Assistant Internal Auditor

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Accountants

Senior Clerks

Senior Female Clerk
Female Clerks

Clerks Grade I

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The Library was founded in 1916 and in 1918 contained 450 volumes. Students acted as Librarians and in 1922 a Library Committee was instituted. In the early thirties there were years that the Library operated without a Librarian.

In 1934 the Library was named after Mr Howard Pim, a Johannesburg accountant and member of the College Council, who bequeathed the major portion of his private library (2 000 volumes) to Fort Hare. From the beginning the Library owed much to many generous donations by public and private bodies. The Library is still indebted to many donors and to the publishers of both English and Afrikaans-medium newspapers for their generosity.

The Library contains a valuable Africana collection, known as the Howard Pim Collection of Africana.

In 1935 the first full-time Librarian was appointed; the first fully qualified Librarian was appointed in 1944. In 1958 the Librarian became a full member of the Senate and the Library Committee was replaced by a Library Advisory Committee, which in turn in 1982 became the Library Control Committee.

At present the Library has over 110,000 volumes and subscribes to over 2200 periodicals and journals.

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<i>Research Officer</i>	C J T Rose BSc PhD (Witwatersrand)
<i>Horticulturist</i>	A S March
<i>Project Leader</i>	M J Underwood BSc (Hons) (London) MSc (Sheffield)
<i>Senior Technician</i>	
<i>Technicians</i>	Mrs P Goduka C Tutt A J Rose G N Koko T H Gxotiwe K W Mngcong
<i>Project Managers</i>	
<i>Technical Assistant</i>	
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<i>Clerical Assistant</i>	

Ardri is designed to serve all developing areas in Southern Africa, especially Ciskei, Transkei, Bophuthatswana and Venda by means of research into socio-economic and technical problems, by planning and researching agricultural development in rural areas, by promoting agricultural specialist extension in rural areas, by supervising the involvement of post-graduate students in ARDRI projects, and by liaising between the University's Faculty of Agriculture and agricultural practice.

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The Fort Hare Institute of Management teaches business methods to businessmen and assists entrepreneurs to establish new businesses. The services it offers include training, research, consultation, and entrepreneurial development. The FHIM is financially supported by the University, other institutions and private firms.

MANPOWER DEVELOPMENT CENTRE

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Director of External Studies **Professor J B Gardner BCom (Cape Town) MEd (UPE) CA (SA)**

Senior Clerk **W T Magongoma**

The Division of External Studies conducts extra-mural classes in a limited number of subjects determined by demand. At present classes are held in the Lennox Sebe Training College, Zwelitsha. Choice of subjects offered for 1984 may be obtained from the Director, Division of External Studies, University of Fort Hare, Private Bag X 1314, Alice, Ciskei.

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C Mahmoudi

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Sections 20, 27, 28, 29, 30 and 42 of the University of Fort Hare Act, No. 40 of 1969.

20. (1) No person shall be registered as a matriculated student of the University unless:
- (a) he has obtained the matriculation certificate issued by the Joint Matriculation Board referred to in section 15 of the Universities Act, 1955 (Act No. 61 of 1955), or has in the opinion of the said Matriculation Board satisfied the conditions of exemption from the matriculation examination and has obtained a certificate to that effect: Provided that the council may in addition prescribe by regulation, as a prerequisite to admission to any particular course at the University, the attaining of a specified standard in any specified subject at the matriculation examination or at an examination recognized for the purpose by the said Matriculation Board; or any other examination determined by the Council
 - (b) he is a graduate of a university institution or has been admitted by a university institution to the status of a graduate; and
 - (c) he has complied with such other conditions as the council may prescribe by regulation; and
 - (d) he has paid the requisite monies.
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- (3) A student of the University who fails to satisfy the prescribed minimum requirements of study may be refused permission by the council to renew his registration as a student.
- (4) The council may after consultation with the senate and with the prior approval of the Minister limit the number of persons who may be permitted to register for any course, in which case the senate may select from among those persons qualified to proceed to such course the persons who shall be permitted to register therefor.
27. (1) At the University there shall be:
- (a) faculties of arts, natural sciences, education, law, agriculture, economic sciences and theology; and
 - (b) such other faculties as the council may from time to time establish after consultation with the senate and with the approval of the Minister.
- (2) The council may not without the prior approval of the Minister establish any department or any course for a degree, diploma or certificate or in a subject, for which express authority to the university college did not exist under any law immediately prior to the fixed date.
28. (1) Subject to the provisions of this Act, the University may confer such degrees in a faculty as it may deem fit.
- (2) The designation of any particular degree in any faculty shall be as prescribed by statute.
- (3) Save as provided by section 31, the University shall not confer any degree upon any person who has not attained the prescribed standard of proficiency in any examination or other test.
- (4) Subject to the provisions of this Act, the University may grant a diploma or certificate to any person who has pursued a course of study provided by the University or to any other person who in its opinion possesses the qualifications for such a

diploma or certificate.

29. Subject to the provisions of the statute, the council may, on the recommendation of the senate:
- (a) admit a graduate of any other university institution or of any university outside the Republic to a status at the University equivalent to that which he possesses at such other university institution or at such university;
 - (b) admit as a candidate for the honours degree of bachelor or for the degree of master or doctor of the University any person who has passed at any other university institution or at any university outside the Republic or at any other institution considered by the senate to be equivalent to the University, such examinations as in the opinion of the senate are equivalent to or higher than the examinations prescribed for a degree of the University which is a prerequisite for such honours degree of bachelor or degree of master or doctor of the University.
30. Any examination or other test of the University shall be conducted under the control of the senate and subject to the provisions of the statute: Provided that until the Minister otherwise determines, the services of external examiners, or moderators appointed by the council on the recommendation of the senate shall be utilized, in such manner as the senate may with the approval of the council determine, for the purpose of conducting any examination or other test (including any treatise or thesis) at the end of the final semester in a major subject leading to a degree, diploma or certificate, and such other examinations (if any) as the council may on the recommendation of the senate determine.
42. (1) If any person has passed any examination or other test conducted prior to the fixed date by the University of South Africa in terms of section 21(1) of the University College of Fort Hare Transfer Act, 1959 (Act No. 64 of 1959), or by the university college in terms of section 23 of that Act, such person shall, for the purposes of the conferring or the granting of any degree, diploma or certificate by the University, be deemed to have passed a corresponding examination or test of the University.
- (2) Any person who is or was registered as a student of the university college on or before the fixed date for a degree, diploma, certificate, examination or other test of the University of South Africa, shall be deemed to be or to have been registered for the corresponding degree, diploma, certificate, examination or other test of the University, and the University shall not be obliged to prepare any such person for the relevant degree, diploma, certificate, examination or other test of the University of South Africa.

EXTRACTS FROM THE STATUTE OF THE UNIVERSITY OF FORT HARE

Government Notice R.2001 dated 5.11.1971.

(As amended by Government Notices No. R.2548 dated 15.12.77 and R.2275 dated 17.11.78)
Paragraphs 46, 47, 48, 52, 53, 54 and 55.

Admission to equal status

46. (a) A graduate of any other university institution or of any university outside the Republic who has been admitted in terms of section 29 (a) of the Act to an equivalent status, and
(b) a person who is admitted in terms of section 29 (b) of the Act as a candidate for a degree,
shall pay the fees prescribed by the Act, and the council may in any such case determine the effective date and other conditions, if any, of such admission.

*Examinations and other tests**Examiners*

47. Subject to the provisions of sections 30 of the Act, every examination or other test by which a course for a degree, diploma or certificate is completed, shall be conducted by at least two examiners appointed by the senate.

Year-marks of candidates

48. A candidate shall, before the examination at the end of every course taken by him, be awarded a year-mark or semester mark for his work during the year, or semester, as the case may be, and the Senate may lay down:
(a) that he shall not be admitted to the examination at the end of a course, unless he obtains the minimum year-mark or semester mark, determined by the Senate in that course; and
(b) that for the purpose of calculating the final mark in a particular course, the year-mark or semester mark, as the case may be, as well as the mark obtained in the examination shall be considered, in such proportion as the Senate may determine.

*Minimum period of attendance**Ordinary and Honours Bachelors' Degrees*

52. Subject to the provisions of the Act and this Statute, no candidate shall be admitted to the degree of bachelor unless he has:
(a) registered as a matriculated student;
(b) passed such examinations or tests and complied with such conditions as the University may impose for the completion of each course in each academic year of study in the subjects offered for the degree: Provided that no recognition for the purposes of a degree shall be given to any course completed in any subject in any academic year of study unless the date of validity of his matriculation certificate or certificate of exemption from the matriculation examination precedes 2 April of the academic year in which such course was completed;
(c) completed, subsequent to the date of the matriculation certificate or of the certificate of full exemption from the matriculation examination issued by the Matriculation Board, the following minimum period of attendance recognised for such degree:
(i) For the degree of Bachelor of Arts in pure arts, or Bachelor of Arts in Communication or Social Work, or Bachelor of Science in pure science, or

- Bachelor of Theology, or Bachelor of Law, or Bachelor of Laws, or Bachelor of Commerce, or Bachelor of Administration or Bachelor of Agriculture: At least three academic years;
- (ii) for the degree of Baccalaureus Procuratoris, or Bachelor of Library Science, or Bachelor of Pedagogy, or Bachelor of Science in Land Surveying or Agriculture or Forest Science: At least four academic years;
 - (iii) for the degree of Bachelor of Education: A period of:
 - (aa) at least two years where he has obtained, prior to the completion of this period of attendance, the degree of Bachelor of Arts or Science, or another degree accepted by the Senate of the University as equivalent thereto; or
 - (bb) at least one year where he has obtained, prior to this period of attendance, either an approved four-year bachelor's degree or an approved three-year bachelor's degree and also an approved diploma or certificate in education;
 - (iv) for the degree of Bachelor of Forestry: At least two years after admission to the degree of Bachelor of Agriculture or Bachelor of Science in Agriculture;
 - (v) for any other degree of bachelor which is not an honours degree: At least three academic years;
 - (vi) for the honours degree of bachelor: At least one academic year after admission to a bachelor's degree recognised by the Senate of the University for this purpose.

Master's Degree

53. Subject to any provision to the contrary in the Act and this Statute, no candidate shall be admitted to the degree of master in any faculty other than the Faculty of Education until at least one year after he has satisfied the requirements of the honours degree of bachelor or at least two years after he has been admitted to the ordinary degree of bachelor or to the status thereof in the faculty concerned: Provided that in the Faculty of Education at least one year shall elapse after he has been admitted to the degree of Bachelor of Education or to the status thereof.

Doctor's Degree

54. Subject to any provision to the contrary in the Act and this Statute, no candidate shall be admitted to the degree of doctor in any faculty until at least four years after he has been admitted to the degree of bachelor or to the status thereof.

Attendance at and examinations of other universities

55. (1) Notwithstanding any provision to the contrary in this Statute and subject to the provisions of sub-paragraph 3, the Senate shall accept as part of the attendance of a student at the University qualifying for admission to a degree of bachelor, other than a one-year honours degree of bachelor, periods of attendance as a registered matriculated student at another university institution recognised by the Senate for this purpose: Provided that such period of attendance shall be accepted only in the case of a recognised course and that the Senate may, in the case of a student, accept, so far as may be practicable, certificates of proficiency in any subject issued by the Senate of such other university: Provided further that no such candidate shall be admitted to a degree unless he has complied with the provisions of sub-paragraph (2), and:

- (a) passed such examinations as the senate may determine;
 - (b) paid such fees as may be prescribed; and
 - (c) complied in other respects with the requirements for the degree.
- (2) A candidate shall not be admitted to an ordinary degree of bachelor in terms of sub-paragraph (1) unless:
- (a) his periods of attendance at the other university or institution and at the University together are not less than the full period prescribed for admission to such degree; and
 - (b) he has attended approved courses at the University:
 - (i) for the degree of Bachelor of Education, for at least the final academic year;
 - (ii) for a degree of bachelor for which the prescribed period of attendance is four years, for at least the final two academic years; and
 - (iii) for any other degree of bachelor, for at least two academic years: Provided that he has attended at least half the total number of courses prescribed for the degree.
- (3) The Senate may accept, as part of the attendance of a student qualifying for admission to a degree of bachelor other than a one-year honours degree of bachelor periods of registration as a matriculated student of the University of South Africa: Provided that such period of registration may be accepted only in the case of a course recognised by the Senate and that the Senate may in the case of a student accept, as far as may be practicable, certificates of proficiency in any subject issued by the Senate of the University of South Africa: Provided further that in all other respects the provisions of sub-paragraphs (1) and (2) shall apply *mutatis mutandis* and that the candidate has:
- (a) passed such examinations as the Senate may determine;
 - (b) paid such fees as may be prescribed; and
 - (c) complies in other respects with the requirements for the degree.

REGULATIONS

Government Notice No. R.1448 dated 20.8.71.

(As amended by Government Notices

No. R.2442 dated 22.12.72, No. R.27 dated 3.1.75, No. R.2143 dated 14.11.75,

No. R.2072 dated 5.11.76, No. R.2557 dated 22.12.78 and No. R.2298 dated 19.10.79)

University of Fort Hare Regulations

The Minister of Education and Training has, by virtue of the powers vested in him by section 33 (5) of the University of Fort Hare Act, 1969 (Act 40 of 1969), as amended, approved the following regulations of the University of Fort Hare:

1. (1) No person shall be admitted to a course of study for the degree of Bachelor of Science in pure science, the degree of Bachelor of Pedagogics (Science option), the degree of Bachelor of Science in Agriculture, the degree of Bachelor of Commerce, the degree of Bachelor of Administration or the degree of Bachelor of Arts in Personnel Management unless he has obtained the matriculation certificate issued by the Joint Matriculation Board, or a certificate of exemption from the matriculation examination issued by the Joint Matriculation Board, and in addition, has attained a pass standard in mathematics at the matriculation examination or at an examination recognised for that purpose by the Joint Matriculation Board.
 - (2) No person shall be admitted to a course of study for the Diploma in Commerce unless he has attained a pass standard in mathematics at the matriculation examination or an examination recognised for that purpose by the Joint Matriculation Board.
 - (3) No person shall be admitted to the course Mathematics I in any Faculty unless he obtained a pass standard of at least 40% (E symbol) (Higher Grade) or 50% (D symbol) (Standard Grade or Pre-differentiated) in Mathematics in the matriculation or equivalent examination.
 - (4) No person shall be admitted to the course Statistics I in any Faculty unless he obtained a pass with at least 40% (E symbol) in Mathematics (Standard Grade or Pre-differentiated) in the matriculation or equivalent examination.
2. A student who:
 - (a) in the first year of study has not completed at least two courses or, in the Faculty of Agriculture, the minimum number of semester courses equivalent to at least 20 units as defined in the rules of the faculty of Agriculture.
 - or*
 - (b) in any subsequent year of study does not satisfy the requirements set out in the rules for the degree or diploma concerned for advancement to the next year of study; may be refused permission by the Council to renew his registration as a student.

GENERAL RULES FOR DEGREES, DIPLOMAS AND CERTIFICATES**A. GENERAL RULES FOR ALL DEGREES***Definitions*

G.1. In these rules, unless the context indicates otherwise:

- (i) "course" means that part of the syllabus in any subject which is prescribed as a unit of study extending over one academic year, and "half-course" and "semester course" have corresponding meanings; (The "course" equivalent for the Faculty of Agriculture shall be 12 units).
- (ii) "curriculum" means the collective aggregation of all those courses in various subjects which together are required to be completed as prescribed in the rules in order to comply with the requirements for a degree;
- (iii) "examination" includes the ensuing supplementary, aegrotat or special examination; and
- (iv) "Senate" includes the Dean of a Faculty acting within the scope of his authority on behalf of the Senate in dealing with a matter related to the curriculum of a student.

Registration and approval of curriculum

- G.2. On the appointed day each year, or within such extended period as may be permitted, every person admitted as a student of the University shall submit his proposed curriculum for approval by the Senate, and a curriculum thus approved shall not be modified except by permission of the Senate.
- G.3. Except by permission of the Senate a student shall not be registered in the same academic year for more than one degree, diploma or certificate, nor shall a student of the University be registered in the same academic year as a student of another university.

Amendment of rules

- G.4. (1) If the rules for a degree or diploma are amended, a student who had registered and obtained credits under the old rules in the academic year preceding such amendment, may elect to continue his studies under either the old or new rules and such election shall be final.
- (2) A student who elects to continue under the old rules shall be permitted to do so for a maximum period of three years following such amendment; Provided that he shall, if he fails to obtain any credit during any one year of this period, or interrupt his studies at any time, be obliged to proceed under the new rules.

Condonation of breach of rules

- G.5. The Senate may condone a breach of a rule if it is satisfied that such breach was due to an error and that the student concerned not having contributed to such error would suffer undue hardship if the breach were not condoned.

B. GENERAL RULES FOR A DEGREE OF BACHELOR*Curriculum*

- G.6. (1) Subject to the provisions of sub-paragraph (2), every student for a degree of bachelor shall attend, as a registered matriculated student, an approved curriculum

in terms of the rules for the degree concerned.

- (2) (i) No student may register for more than four courses unless he is following a structured fixed curriculum.
 - (ii) No student may enrol for any second year course unless he has passed a minimum of three first year courses.
 - (3) The Senate may approve a special curriculum within the framework of the rules for a student who has been exempted from any course or courses in terms of the provisions of the Statute or of paragraph G.14 of these rules, or who interrupted his studies prior to a change in the rules for the degree for which he is registered and is consequently obliged to proceed under the new rules.
 - (4) The rules for a degree may lay down what further requirements must be complied with before a degree is awarded.
- G.7. Subject to any provision to the contrary a student shall not be admitted to the second or subsequent course in a subject unless he has obtained credit for the preceding course.
- G.8. The rules for a degree may prescribe that:
- (a) a student shall not be admitted to a particular course in a subject unless he has completed specified ancillary courses in another subject or subjects or unless such courses are taken concurrently with the particular course concerned; or
 - (b) a student shall not obtain credit for a course completed by him until such time as he completes another specified course or courses
 - (c) the rules which regulate the order of completion of the courses of a prescribed curriculum may, where transitional difficulties occur, be relaxed by Senate on the recommendation of a faculty.

Examinations

- G.9. (1) In order to complete a course, a student must obtain:
- (a) a year or semester mark of at least 40%;
 - (b) at least 40% of the marks in the examination;
 - (c) a sub-minimum of 35% for each undergraduate paper and a sub-minimum of 40% for each postgraduate paper; and
 - (d) at least 50% in the year or semester mark and the examination combined, the proportion in which the two are combined to be as determined by the Senate for each course.
- (2) "A student shall not be admitted to the examination at the end of a course unless he has obtained a year mark as specified in clause (a) of subparagraph (1) and has fulfilled the attendance requirements for all practicals and/or tutorials as laid down by the relevant Departmental Head".
 - (3) An examination shall include a written test comprising one or more papers as determined by the Senate, and may also include a practical or oral test or both.
 - (4) The Head of a Department in consultation with the examiners may require a student to present himself for an additional oral examination immediately after the ordinary examination, and a student shall be available for the purpose for three days after his examination has been written.
 - (5) Every examination shall be held under the control of the Senate and, unless otherwise stated, shall be held at the end of the academic year.
- G.10. (1) The rules for a degree may provide that a student who fails to complete a course may be admitted to the ensuing supplementary examination and, if so, shall

prescribe the conditions for admission thereto.

- (2) A student shall be admitted to a supplementary examination in a course in which he has failed, provided he has obtained:
- a year mark of at least 50%; and
 - an examination mark of at least 40%; and
 - the requisite subminimum in each paper; and
 - a pass mark in at least two other courses at the same examination;

Provided that the above requirements may be waived if the course concerned is the last requirement for his degree and that he did in fact present himself for the examination therein.

- (3) "A candidate who believe that an error has occurred in the examination of his scripts may have his scripts rescruited. The rescruity does not involve the marking of a script anew but is limited to a checking of the addition of the marks which have been allotted and to making sure that marks have been allotted to every section of every question attempted. In order to obtain a rescruity a student must apply in writing to the Registrar within a week after the final examination results are officially available. The prescribed fee for a rescruity is R20 per course and the fee must accompany the application. The fee will be refunded if a correction is made either to the advantage or disadvantage of the applicant as a result of the rescruity".
- G.11. (1) A student who was prevented by illness on the day of an examination or immediately before it from writing or completing one or more papers may be permitted by the Rector (or an officer designated by him) to present himself for an aegrotat examination, provided he produces a medical certificate stating the nature and duration of the illness and declaring that for health reasons it was impossible or undesirable to write the examination on the specified day.*
- (2) A student who was prevented by family circumstances such as the death or serious illness of a relative during the examination from writing one or more papers may be permitted by the Rector (or an officer designated by him) to present himself for a special examination, provided satisfactory evidence of such circumstances is produced.
- (3) Permission in terms of sub-paragraph (1) or (2) will not be granted to a student whose application fails to reach the Registrar at least one week before the end of the academic year.
- G.12. (1) A student who has failed the examination in any course may, while attending the university during *the following academic year* and if the Examination Time-Table so permits, be admitted by the Board of Faculty, on recommendation of the Head of Department concerned, to re-examination in not more than one such course at the end of the academic year without re-attending such course, and provided that he registers therefor **at the normal time** and pays the prescribed fees. No student shall be admitted to such a re-examination in that course more than once. (The course equivalent for the Faculty of Agriculture shall be 12 units).
- (2) A student who has failed *the examination* in a course which is the last outstanding requirement for his degree may be granted permission by the Dean on the recommendation of the Head of the Department to present himself

*The certificate should where possible be issued by the District Surgeon. Where this requirement cannot be complied with, satisfactory reasons must be given.

for re-examination at the end of the following academic year and, if he should again fail, at the end of the year thereafter, in both instances without re-attending the course concerned, provided his written application for such permission is received by the Registrar (Academic) by the end of March and provided he registers for the course and pays the prescribed fees.

No student shall, however, be admitted to re-examination on this basis more than twice. For the purposes of this rule only "examination" shall not include "supplementary" examination. A student who has failed at the first attempt under this rule may opt to write for the second and final time during the ensuing supplementary examination period: provided he gives written notice of such intention at the time he registers for his first attempt and provided further that he registers for the second attempt and pays the prescribed fees.

(The course equivalent for the Faculty of Agriculture shall be 12 units).

- (3) The Senate shall not, in the case of a student re-writing without re-attendance in terms of sub-paragraph (1) or (2) hereof, take cognisance of the year mark previously obtained, but the student concerned must obtain:
- (a) at least 50% of the marks in the examination, and
 - (b) such sub-minimum as is prescribed for any specified part of the examination.

- G.13. A holder of a diploma or certificate, or a holder of a degree, who is required to complete only one course in order to qualify for admission as candidate for a degree, or for another degree may, by permission of the Senate, present himself for examination for the purpose at either an ordinary or a supplementary examination: Provided that permission to present himself at a supplementary examination, where such an examination would not otherwise take place, will not be given save in exceptional circumstances.

Exemptions

- G.14. (1) The Senate may, subject to such conditions as it may lay down, exempt a student from a course if he has obtained credit for the same or an equivalent course towards another degree, diploma or certificate of the University: Provided that no such student shall be admitted to a degree of bachelor unless:
- (a) he has attended approved courses towards that degree as follows:
 - (i) for the degree of Bachelor of Education, for at least the final academic year;
 - (ii) for the degree of Bachelor of Laws, for at least the final two academic years;
 - (iii) for any other degree of bachelor, for at least one-half of the total number of courses prescribed for the degree;
 - (b) he shall have passed such examinations as the Senate may determine; and
 - (c) he shall have complied in all other respects with the requirements for the degree.
- (2) Notwithstanding the provisions of sub-paragraph (1), a student shall not select, as a major or principal subject for a degree, a subject taken by him as a major or principal subject for another degree.

Credit

- G.15. (1) Subject to any provision to the contrary a student shall obtain credit for every course completed by him: Provided that the rules for a degree may lay down that a student may not proceed to the second or subsequent year of study in any particular

subject or in any subject whatever until he has completed the minimum number of courses prescribed for the purpose.

- (2) Subject to any provisions to the contrary in the Rules of any Faculty, a student shall not obtain credits for the final courses in subjects designated as major subjects for a degree unless, at the first attempt to obtain such credits, he presents himself for examination in the final courses of two such subjects simultaneously. Should he fail one of such majors, a student shall be free at a subsequent attempt to present himself for examination in the final course of a major previously failed or not previously offered.

Should he fail both majors at the first attempt, he shall again be required to present himself for examination in two such major subjects (whether the same as before or not) simultaneously at any subsequent attempt, until he succeeds in passing at least one of them.

- (3) A candidate must complete his major courses at the University.

Courses attended not for degree purposes (N.D.P.)

- G.16. (1) The Senate may permit a person, whether matriculated or not, to register as an occasional student for a course or courses otherwise than as a candidate for a degree, subject to such conditions as have been or may be prescribed.
- (2) The Senate may permit a student registered for a degree to register for a course or courses otherwise than as part of his curriculum, and additional thereto, subject to such conditions as have been or may be prescribed.
- (3) Subject to the provisions of paragraph G.14, the Senate may grant a student credit towards a degree for one or more courses completed by him while registered in terms of the provisions of sub-paragraph (1) and (2) or both, subject to such conditions as it may prescribe in an individual case: Provided that a student shall not be granted credit for any such course unless, at all relevant times:
- (a) he was suitably qualified to register for the degree concerned; and
- (b) the course could have formed part of an approved curriculum for the degree.

C. GENERAL RULES FOR THE HONOURS DEGREE OF BACHELOR

Admission

- G.17. A person shall not be admitted as a candidate for an honours degree of bachelor unless he:
- (a) has been admitted to a degree of bachelor at the University; or
- (b) is a graduate of any other university institution or of any university outside the Republic and has been admitted to the status of bachelor at the University; or
- (c) has passed at any other university institution or at any university outside the Republic or at any other institution considered by the Senate to be equivalent to the University, such examinations as in the opinion of the Senate are equivalent to or higher than the examinations prescribed for a degree of bachelor of the University.
- G.18. A person who wishes to be admitted as a candidate for an honours degree of bachelor, must submit to the Registrar a written application setting out his qualifications and stating in which department he wishes to study.
- G.19. Without prejudice to its general powers to admit or refuse admission to an applicant, the Senate may require an applicant to undergo a test on his proficiency in the subject

of his proposed study if he either:

- (a) obtained the qualification on which his application is based at another university or institution; or
- (b) being a graduate of the University, did not include the subject as a major subject in his undergraduate curriculum.

Duration of course

G.20. The honours course shall extend over not less than one academic year of full-time study, but if the rules in a particular faculty so permit, a candidate may, with the approval of the head of the department concerned, attend and complete the course in two successive parts, each extending over one academic year.

Ancillary courses

G.21. The Senate may require a candidate to attend specified ancillary courses in addition to the honours course and may require him to complete such courses by examination before he presents himself for any specified part of the honours examination.

Foreign language tests

G.22. The Senate may require a candidate to pass a test in an approved modern foreign language.

Examination

G.23. (1) The honours examination shall comprise:

- (a) not less than four papers including oral and practical papers:
Provided that the number of oral papers shall not exceed that laid down in the rules for the degree concerned;
 - (b) the examination prescribed to complete the ancillary subjects, if any, required in terms of paragraph G.21; and
 - (c) such foreign language test, if any, as is required in terms of paragraph G.22.
- (2) The examination shall be held:
- (a) in the case of an honours course taken in one part: after the completion of the course; or
 - (b) in the case of an honours course taken in two parts: in such manner as is determined by the Senate, provided that as far as is practicable, each part will comprise approximately half of the papers.
- (3) In order to pass the honours examination a candidate must obtain:
- (a) an aggregate of at least 50% of the marks in all the papers referred to in sub-paragraph (1)(a) and
 - (b) such sub-minimum as may be prescribed by Senate for any paper, provided that:
 - (i) where a candidate fails not more than 25% of the papers referred to in sub-paragraph (1)(a) (irrespective of whether or not he attained the prescribed sub-minimum) he may have one opportunity to re-write such paper(s), which will constitute the second attempt at the examination referred to in Rule G.24(2);
 - (ii) where a candidate fails to attain the sub-minimum in more than 25% of the papers referred to in sub-paragraph (1)(a) he shall have failed the examination as a whole; and

- (c) a pass mark in every other examination or test referred to in sub-paragraph (1).
- (4) A student taking his examination over two academic years shall be deemed to have presented himself for examination twice in terms of Rule G.24(1). A student failing to attain an aggregate of 50% for the papers written at the end of his first academic year of study shall re-write such papers when he writes his remaining papers at the end of the following year. Subject to the foregoing, the remaining provisions of Rule G.23(3) apply, *mutatis mutandis*, to such a student.

Re-examination

- G.24. (1) Except by permission of the Senate a candidate may not present himself for examination more than twice in the same department.
- (2) If a candidate fails in an examination or test required in terms of paragraph G.23. (1)(b) or (c), but attains such standard as the Senate prescribes for the purpose, he may present himself for re-examination therein after the lapse of such period as the Senate determines.

Distinction

- G.25. The degree shall be conferred with distinction on a candidate who attains in the examination such standard as is prescribed in the rules for the honours degree concerned.

D. GENERAL RULES FOR THE DEGREE OF MASTER

Admission

- G.26. A person shall not be admitted as a candidate for a master's degree unless he:
- (a) has been admitted to an honours degree of bachelor at the University; or
 - (b) has been admitted to a postgraduate degree of bachelor at the University; or
 - (c) has been granted an appropriate postgraduate diploma as provided for in the rules of any faculty.
 - (d) is a graduate of any other university institution or of any university outside the Republic and has been admitted to the status of a holder of either of the qualifications referred to in (a) or (b) above; or
 - (e) has passed at any other university institution or at any university outside the Republic or at any other institution considered by the Senate to be equivalent to the University, such examinations as in the opinion of the Senate are equivalent to or higher than the examinations prescribed for either of the qualifications referred to in (a) or (b) above.
- G.27. A person who wishes to be admitted as a candidate for a master's degree must submit to the Registrar a written application setting out his qualifications and, where applicable, the title of his proposed dissertation and an outline of his method of research.
- G.28. Without prejudice to its general powers to admit or refuse admission to an applicant, the Senate may require an applicant to undergo a test on his proficiency in his subject.

Minimum period of registration

- G.29. A candidate shall, during not less than one academic year, prosecute advanced study

or research or both under the guidance of a supervisor appointed by the Senate.

Progress requirements and provision for suspension or cancellation

- G.30. The Senate may at any time suspend or cancel the registration of a candidate who in its view is not making satisfactory progress with his studies.
- G.31. If a candidate fails to complete his studies within five years of registering for the degree, the Senate may refuse to renew his registration or may renew it subject to any conditions it may see fit to impose.

Examination

- G.32. A candidate shall either:
- (a) submit a dissertation (*which, with the approval of the supervisor may consist in part of previously published work*) on an approved topic; or
 - (b) present himself for a written examination; or
 - (c) submit a dissertation and in addition present himself for a written or oral examination, the scope and length of the dissertation to be determined by the Board of Faculty concerned.

Re-examination

- G.33. Except by permission of the Senate a candidate may not present himself for examination more than twice.

Dissertation

- G.34. A candidate wishing to receive his degree at a particular graduation ceremony shall notify the Registrar not later than a date two weeks before the last Faculty meeting of the preceding year of his intention to submit his dissertation, and shall submit it not later than 31st December of that year, or, by special written permission of the Head of the Department. The Dean and the Registrar (Academic) not later than 31st January: Provided that this does not constitute a guarantee on the part of the University that the dissertation will have been examined in time for the ensuing graduation ceremony.
- G.35. A candidate shall not submit a dissertation unless it is accompanied by a written declaration by the supervisor in which permission is granted to lodge the dissertation. Such declaration does not commit the supervisor to recommend the award of the degree.
- G.36. For examination purposes a candidate shall present the dissertation in triplicate. After approval of the dissertation, and before conferment of the degree, the candidate shall submit a further seven copies, unless special permission had been granted for the submission of a smaller number. A candidate is responsible for the typing and language correction of the dissertation.
- G.37. (1) A dissertation shall, unless exemption is granted from this requirement, be typed in one and a half or double spacing and be stoutly bound.
- (2) The title page of a dissertation shall bear the following inscription:
1. (Full title of dissertation).....
 2. by (Full name of candidate).....
 3. Submitted in satisfaction/partial satisfaction of the requirements for the degree of Master of..... in the faculty of..... of the University of Fort Hare.
 4. Date submitted.....
 5. Date degree awarded.....
- (3) The dissertation must contain an abstract.

- G.38. (1) A dissertation which has previously been submitted for a degree at another university shall not be accepted, but material taken by the candidate from existing publications and properly acknowledged may be incorporated in the dissertation.
- (2) A candidate shall submit, together with his dissertation, a copy of every dissertation previously submitted by him for another degree, whether it was accepted or not.
- G.39. A dissertation shall not be approved unless it provides proof of the candidate's acquaintance with the methods and techniques of research. The language must be correct and the technical workmanship satisfactory.

Distinction

- G.40. A master's degree may be awarded with distinction to a candidate who in the opinion of the Senate has attained the desired standard.

Publication

- G.41. If, at the date of presentation, a portion of the dissertation submitted has not been published, or is not being published in a manner satisfactory to the University, the University shall have the right to reproduce the work, in whole or in part, for purposes of research. The University may waive this right, provided that the candidate makes arrangements for publication of the work in a manner satisfactory to the University.

E. GENERAL RULES FOR THE DEGREE OF DOCTOR

Admission

- G.42. Except where the rules in a particular faculty provide otherwise, a person shall not be admitted as a candidate for a doctor's degree unless he:
- (a) has been admitted to a master's degree at the University; or
 - (b) is a graduate of any other university institution or of any university outside the Republic and has been admitted to the status of master at the university; or
 - (c) has passed at any other university institution or at any university outside the Republic or at any institution considered by the Senate to be equivalent to the university, such examinations as in the opinion of the Senate are equivalent to or higher than the examinations prescribed for the degree of master at the University.
- G.43. A person who wishes to be admitted as a candidate for a doctor's degree must submit to the Registrar a written application setting out his qualifications and, in the case of an application in terms of clause (a) of paragraph G.45, the title of his proposed thesis and an outline of his method of research.
- G.44. Without prejudice to its general powers to admit or refuse admission to an applicant, the Senate may require an applicant to undergo a test on his proficiency in his subject.

How degree may be obtained:

- G.45. The degree may be obtained either:
- (a) by means of research on an approved topic prosecuted under the guidance of a promoter appointed by the Senate; or
 - (b) on the grounds of meritorious publications, if so provided in the rules in a particular faculty.

Provision for suspension or cancellation

G.46. The Senate may at any time suspend or cancel the registration of a candidate who in its view is not making satisfactory progress with his studies.

Examination

- G.47. (1) A candidate admitted in terms of clause (a) of paragraph G.45 shall submit a thesis on the approved topic and, if so prescribed in the rules of the Faculty or required by the examiners, present himself for an oral or written examination on the subject of his thesis or the relevant subject as a whole.
- (2) A candidate admitted in terms of clause (b) of paragraph G.45 shall submit his publications for examination, in which case the rules relating to the submission of a thesis shall apply *mutatis mutandis*.
- G.48. (1) A candidate may not submit a thesis unless his promoter has reported to the Senate that he is satisfied with the candidate's knowledge of the subject as a whole.
- (2) The Senate may require a candidate to attend and by examination to complete a programme of study before he may submit his thesis.
- (3) A candidate is responsible for the typing and language correction of the thesis.

Re-examination

G.49. Except by permission of the Senate a candidate may not present himself for examination more than twice.

Thesis

- G.50. A candidate wishing to receive his degree at a particular graduation ceremony shall notify the Registrar not later than a date two weeks before the last Faculty meeting of the preceding year of his intention to submit his thesis, and shall submit it not later than 31 December of that year, or, by special written permission of the Head of the Department, the Dean and the Registrar (Academic) not later than 31 January: Provided that this does not constitute a guarantee on the part of the University that the thesis will have been examined in time for the ensuing graduation ceremony.
- G.51. For examination purposes a candidate shall present the thesis in triplicate. After approval of the thesis, and before conferment of the degree, the candidate shall submit a further seven copies, unless special permission has been granted for the submission of a smaller number.
- G.52. When submitted, a thesis shall be accompanied by a declaration by the candidate as to the extent to which it represents his own work, both in conception and execution.
- G.53. (1) A thesis shall, unless exemption is granted from this requirement, be typed in one and a half or double spacing and be stoutly bound.
- (2) The title page of a thesis shall bear the following inscription:
1. (Full title of thesis)
 2. by (Full name of candidate)
 3. Submitted in satisfaction/partial satisfaction of the requirements for the degree of Doctor of in the Faculty of of the University of Fort Hare.
 4. Promoter
 5. Date submitted
 6. Date degree awarded
- (3) The thesis must contain an abstract.

- G.54. (1) A thesis which has previously been submitted for a degree at another university shall not be accepted, but material taken by the candidate from existing publications and properly acknowledged may be incorporated in the thesis.
- (2) A candidate shall submit together with his thesis, a copy of every dissertation or thesis previously submitted by him for another degree, whether it was accepted or not.
- G.55. A thesis shall not be approved unless it provides proof of original work by the candidate and constitutes a distinct contribution to the knowledge of and insight into the subject.

Publication

- G.56. If, at the date of presentation, a portion of the thesis submitted has not been published, or is not being published in a manner satisfactory to the University, the University shall have the right to reproduce the work, in whole or in part, for purposes of research. The University may waive this right: Provided that the candidate makes arrangements for publication of the work in a manner satisfactory to the University.

F. GENERAL RULES FOR DIPLOMAS AND CERTIFICATES

- G.57. The general rules for all degrees and the rules for a degree of bachelor shall apply *mutatis mutandis* to all diplomas and certificates awarded by the University: Provided that any rules which refer to matriculation as a prerequisite for admission shall not apply to those diplomas and certificates for which matriculation is not a prerequisite.

ACADEMIC DRESS

The academic dress for officers of the University shall be as follows:

1. CHANCELLOR

Gown. Black silk with gold silk facings down each side in front and gold silk square collar at the back. The collar and facings are edged with black velvet ribbon and wide gold lace. The gown is edged round the bottom with wide gold lace and so is the bottom of each long closed sleeve. The sleeves are trimmed with gold lace bars and gold tassels and with a long vertical band of gold lace. The sleeve-openings are edged with gold lace and at the top of each sleeve there is a band of gold embroidery. The gown has a vent at the back for ease of movement and this is also edged with gold lace.

Cap. Black velvet mortar board with a gold tassel and gold lace edging.

2. VICE-CHANCELLOR/RECTOR

Gown. The same as that of the Chancellor, but trimmed with silver lace instead of gold.

Cap. Black velvet mortar board with a silver tassel and silver lace edging.

3. CHAIRMAN OF COUNCIL

Gown. Black silk and has facings of the same material edged with 25 mm gold lace which goes right round the yoke of the gown at the back and front. The sleeves are square and of the style worn by Presbyterian Ministers (i.e., they are open right down the front from shoulder to bottom) and are of black silk lined with gold silk.

Cap. Black velvet motor board with a black tassel and gold lace edging.

4. VICE-RECTOR

Gown. Black silk with facings, 150 mm wide down each side in front and a square collar of black velvet at the back. The facings and collar are edged with silver lace, 25 mm wide and there is a band of the same lace at the bottom of each long closed sleeve. The sleeve openings are edged all round with 10 mm wide silver lace; each sleeve is trimmed with four horizontal bars of black velvet, each 50 mm wide, and each with a 10 mm wide band of silver lace, horizontally through the centre. These bars are placed one above the sleeve opening and three below it.

Cap. Black velvet mortar board with a black tassel and silver lace edging.

5. COUNCIL MEMBERS

Gown. Black stuff, undergraduate style, with two gold cord loops (150 mm) and two gold buttons on each side of the yoke in front. No caps.

6. REGISTRAR

Gown. Black Russel Cord with 10 cm wide black velvet facings, extended around neck and edge with 25 mm gold lace. Long pointed sleeves caught up with gold cord and the crest of the University.

Cap. Black velvet mortar board with gold tassel.

Gown. At Graduation Ceremonies, other Administrative Officers are to wear plain black undergraduate gowns if they are not Graduates. No Caps.

8. GRADUATES

DOCTORS

Gown.	Undress —	the Master's gown with the yoke completely outlined with gold cord, and with a gold cord and button on the yoke of the gown at the back.
	Full dress —	Oxford Doctorate pattern, black silk faced, down each side in front, with gold silk 150 mm wide edged with silk of the colour distinctive of the degree, 25 mm wide. Sleeves faced with gold silk.
Hood.	Full shape —	DLitt et Phil, DTheol, LLD, BEd, DCom, DSc (Land Surv), DPhil (SW), DBibl, DSc, DAdmin, DSc (Agr): Silk of the colour distinctive of the degree, lined with gold and piped with twisted black and gold cord. Degree colours are:
		DLitt et Phil Ultramarine blue *(148)
		DTheol Violet (179)
		LLD Cardinal red (186)
		DEd Old rose (157)
		DCom Rust brown (58)
		DSc (Land Survey) Gun metal grey (42)
		DPhil (SW) Kingfisher blue (164)
		DBibl Pale blue (84)
		DSc Silver grey (153)
		DAdmin Rose beige (18)
		DSc (Agr) Emerald green (213)
	Undress	As for Masters.
	Full dress	Black velvet mortar board with gold tassel.

**Note: The Colours for academic dress are in conformity with the British Colour Council's Dictionary of colour standards — the numbers denote the numerical classification.*

MASTERS

Gown.	Oxford MA shape, black stuff or silk and with a small gold button and horizontal gold cord on both sides of the yoke in front.
Hood.	Full shape, black silk lined with gold silk and faced, inside the cowl, with the colour used for the corresponding Bachelor's degree, 75 mm wide.
Cap.	As for Bachelors.

HONOURS BACHELOR

Gown and Cap	As for Bachelor Degrees.
Hood.	The hood for the corresponding bachelor's degree with the addition down the anterior side of a gold cord 5 mm wide.

BEd, LLB

Gown and Cap	As for BA
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Hood. Simple shape, black silk lined with gold and bound over the anterior side with silk, 75 mm wide inside and 12 mm wide outside, of the colour distinctive of the degree, viz.:

BEd	Old rose	(157)
LLB	Cardinal red	(186)

BA, BA (SW), BBibl, BJuris, BPro, BTheol, BAgric, BSc, BCom, BAdmin, BSc (Land surveying)

Gown. Black stuff, with pointed sleeves slit from shoulder to wrist, gathered together at wrist with small gold cord and two buttons.

Hood. Simple shape, black silk faced to a depth of 100 mm with gold (54) silk and bound over the anterior side with silk, 25 mm wide inside the anterior side and 12 mm wide outside, of the colour distinctive of the degree, viz.:

BA	Ultramarine blue	(148)
BBibl	Pale blue	(84)
BJuris	Cardinal red	(186)
BProc	The same as for BJuris with the addition of a silver cord 5 mm wide down the anterior side.	
BTheol	Violet	(179)
BAgric	Apple green	(22)
BSc	Silver grey	(153)
BCom	Rust brown	(58)
BAdmin	Rose beige	(18)
BA (SW)	Kingfisher blue	(164)
BSc (Land Survey)	Gun metal grey	(42)

Cap. Black cloth mortar board with mixed black-gold tassel.

BSc (Agric)

Gown and

Cap. As for BA

Hood. As for BAgric, but bound with emerald green (213) silk, 50 mm wide inside and 12 mm wide outside.

BPed

Gown and

Cap. As for BA

Hood. As for BA, but bound over the anterior side with old rose (157) 50 mm wide inside and 12,5 mm wide outside.

BA (Fine Arts), BA (Personnel Management), BA (Communication)

Gown and

Cap. As for BA

Hood. Simple shape, black silk faced to a depth of 100 mm with gold (54) silk and bound over the anterior side with silk, 25 mm wide inside the anterior side and 12,5 mm wide outside, and with 7,5 mm wide band of the colour distinctive of the degree, viz.:

BA (Fine Arts)	White	
BA (Personnel Management)	Terra cotta	(133)
BA (Communication)	Red	(186)

RULES IN CONNECTION WITH THE ADMISSION AND REGISTRATION OF STUDENTS

I. Admission

1. In these rules "admission" means approval to report for registration as a student at the University, irrespective of whether or not the prospective student has previously been registered as a student.
2. Application for admission must be made on the prescribed form. Application for admission in person is not allowed.
3.
 - (i) The form of application must be completed in detail and signed by the prospective student and his parent or guardian if he/she is a minor. The completed form must be sent to the Registrar so as to reach him on or before 31 October 1985.
 - (ii) The following late application fees will be payable:
 - R60 for late applications received between 1 November and 31 December.
 - R80 for late applications received after 31 December.
 - (iii) Applications received after 30 November will only be considered in exceptional circumstances.
 - (iv) A penalty of R30,00 will be imposed on old students who attended the University previously and who use the (pink) application form for new students.
4. A student who was registered at another university must upon application for admission to Fort Hare, submit a certificate of conduct from the first-mentioned university which, subject to Article 23 of the University of Fort Hare Act (No 40 of 1969 as amended), is acceptable to the Council of the University of Fort Hare.
5. No prospective student may report for registration at the University unless he has been notified by the Registrar in writing that he has been admitted.
6. Notwithstanding "admission" as defined above, the University is not obliged to register a prospective student unless he also complies with the requirements for registration.

II. Registration

No candidate for registration shall be registered unless he satisfies the Registrar in regard to each of the following requirements:

- (1) Each prospective student must report for registration at the office designated for this purpose, on the date and during the times laid down. No candidate shall be allowed to report for registration after the last date and time laid down, unless the written consent of the Rector for such late registration has been obtained, and an additional registration fee of R100 has been paid.
- (2) At the time of reporting for registration the written permission to report for registration must be produced (see 5 above).
- (3) Each candidate for registration must complete and sign the prescribed registration form. **By his signature on the registration form, a candidate will signify that**

he is liable for all fees — irrespective of whether he holds a bursary or not and that he has undertaken strictly to comply with all the rules and regulations of the University, including those of the hostel where he may reside. He also agrees to reside in the particular hostel room to which he may have been assigned.

A prospective student who fails to hand in the registration form will be deemed not to have been registered and excluded from examinations.

- (4) If a prospective student has availed himself of boarding and tuition facilities he will, notwithstanding exclusion from the examinations, be held liable for fees.
- (5) The account of each student to whom a bursary, loan or other allowance is payable, will only be credited with the amount of such bursary, loan or allowance after completion of the prescribed forms.
- (6) Each prospective student must submit to the Registrar an approval of the course he intends to follow, signed by the Dean of the Faculty concerned. In choosing courses of study, the time-table must be consulted so as to avoid clashes.
- (7) The Council reserves the right to require a student to reside in a university residence (excludes Zwelitsha students).
- (8) **The registration of first year students is subject to the suspensive condition that each such student shall submit his matriculation certificate, or his exemption therefrom, or any other qualification required for admission to a particular course, to the registrar for noting purposes, on or before 30 April, of the year in which the student is registered for the first time. An amount of R20 shall be added to the account of any student who fails to comply with this rule. Furthermore, should such certificates not be submitted by 31 August the registration of the student concerned may be cancelled and no remission of any fees will be applicable.**
- (9) If in the opinion of the Minister, it is not in the interest of the institution to register a candidate who reports for registration, he may refuse to allow such a candidate to be registered, even if such a candidate complies with all the other conditions of registration.
- (10) A prospective student will be deemed NOT to have registered unless the prescribed fee has been paid on registration whereafter he will be supplied with an identity card which will serve as evidence that he has been registered as a student.
- (11) No person who has not been registered as a student may attend lectures, use a hostel or dining-room or avail himself of any privilege whatsoever which may be offered by the institution. After the close of registration a student will be expected to produce an identity card to enter the campus and avail himself of facilities provided by the University.

III. Student Identification

Every student whilst on the campus shall produce his student identity card on request. Every student when writing an examination or a test shall display his identity card on the desk when he writes such test or examination.

CHANGES OF CURRICULUM

- (1) No student will be permitted to change his curriculum after the date set down in the Diary.
- (2) If a student wishes to change his curriculum he must follow the procedure as laid down in the registration guide.
- (3) After the *first* change of curriculum by any student a charge of R10,00 will be levied for each further change of curriculum by that student.

STUDENT DISCIPLINE

Article 24(1) of Act 40 of 1969:

A student of the University shall be subject to the disciplinary provisions prescribed by statute or by rules made by the Council.

Paragraphs 43 and 44 of the Statute, as published in Government Notice R.2001 dated 5 November, 1971:

General supervision and control

43. (1) The general supervision and control of the discipline of students shall be vested in the Council which may delegate its powers, as it thinks fit, in accordance with rules made by it.
- (2) The rules shall make provisions for the following:
- (a) a definition of misconduct which renders a student liable to disciplinary measures;
 - (b) notice, in writing, to a student of the nature of a charge or charges against him;
 - (c) the right of an accused student to defend himself; and
 - (d) the penalty or penalties which may be imposed following a conviction.
- (3) The rules may provide for an appeal to the Council against the verdict of the Students' Disciplinary Committee or only against the penalty or penalties imposed by it.

Students' Disciplinary Committee

44. There shall be a Students' Disciplinary Committee of which the membership, composition at a particular inquiry, powers and procedure shall be as prescribed in the rules referred to in paragraph 43.

RULES FOR STUDENTS

Rules for students are circulated to students during the registration period at the commencement of each academic year. Any student who does not receive a copy should obtain one from the Students' Registration Officer.

Every student must familiarise him/herself with the Rules.

By signing the registration form students signify that they have familiarised themselves with all the rules and regulations of the University.

FEES PAYABLE TO THE UNIVERSITY

1. Registration Fees

1.1 Full time students (Fort Hare Campus and Zwelitsha Branch)

- | | |
|--|-----------------|
| (1) Registration fee | R65,00 per year |
| (2) Late Registration fee | R100,00 |
| (3) Cancellaton of Registration (refer item 5.2 below) | |

1.2 Special Students

Special student taking a course of study for which no degree, diploma or certificate is awarded.

Registration	R45,00
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1.3 General

- (i) Late registration fees are payable irrespective of the reason for such late registration.
- (ii) Post-graduate students must register each year of study.

2. Deposits

2.1 Indemnity Deposit

An indemnity deposit of fifty rands (R50) is payable by all students. (Zwelitsha Branch, and Cecilia Makiwane Hospital, **twenty rand R20**). This deposit will be retained as caution money against damage to property of the University and may also be off-set against any fees, fines or loans due after the students departure. This amount is refundable when the student finally leaves the University or does not intend returning in a subsequent year and will be repaid after the close of registration in the year following the student's departure, provided the student submits a written application for a refund before 31 December of the year following this departure. **Deposits not claimed in writing by the specified date are forfeited.** The cost of repairs of any damage to University property must immediately be made good by the responsible student. The indemnity deposit is to remain at R50,00 during the year of registration.

2.2 Laboratory and other Deposits.

A deposit of R10 is payable annually to cover possible breakage of laboratory equipment etc.

- (i) Department of Geology students
- (ii) Department of Zoology students
- (iii) Department of Chemistry students.

3. Composite class fees

3.1 Full Time Students

Any student taking any of the following courses of study shall pay to the University a composite fee (excluding deposits) appearing opposite the relevant course of study, irrespective of number of subjects taken.

Per year of study (under graduate courses)

Faculty of Theology	R
B Theol	870,00
Diploma in Theology	870,00
Faculty of Law	
B Juris	870,00
B Proc	870,00
LL B	790,00
Diploma Juris	870,00
Faculty of Arts	
B A	870,00
B Bibl	970,00
B A (SW)	970,00
B A (FA)	970,00
B A (Personnel Management)	870,00
B A (Communication)	870,00
BA (Music)	970,00
Lower Diploma in Library Science	970,00
Diploma in Fine Arts	970,00
Faculty of Science	
B Sc	970,00
B Sc (Surveying)	970,00
B Sc (Pre-Med)	970,00
B Sc (Pre-Eng)	970,00
B Cur	970,00
B A Cur	970,00
Faculty of Education	
B Ped (Arts, Economics option)	870,00
B Ped (Science, Agric, Music and Phys. Ed. option)	970,00
STD & H S T D (Arts, Economics option)	870,00
STD & H S T D (Science, Agric, Music, FA and Phys. Ed. option)	970,00
Faculty of Economic Sciences	
B Com	870,00
B Admin	870,00
Diploma Commerce	870,00
Faculty of Agriculture	
B Agric	970,00
B Sc Agric	970,00

POST GRADUATE COURSES

Faculty of Theology	
B Theol (Hons) per year	790,00
B Theol (Hons) 2 years option	
1st year	670,00
2nd year	350,00
repeat	670,00

M Theol	- 1st year	670,00
	- thereafter per year	210,00
D Theol	- 1st year	720,00
	- thereafter per year	210,00
Faculty of Law		
LL M	- 1st year	670,00
	- thereafter per year	210,00
LL D	- 1st year	720,00
	- thereafter per year	210,00
Faculty of Arts		
B A (Hons)		790,00
B A (Hons)	2 years option	
	1st year	670,00
	2nd year	350,00
	repeat	670,00
M A	- 1st year	670,00
	- thereafter per year	210,00
D Litt et Phil	- 1st year	720,00
	- thereafter per year	210,00
B Bibl (Hons)		870,00
B Bibl (Hons)	- 2 years option	
	- 1st year	870,00
	- 2nd year	450,00
	- repeat	870,00
B A (SW) (Hons)		870,00
BA (SW) (Hons)	- 2 years option	
	- 1st year	870,00
	- 2nd year	450,00
	- repeat	870,00
M A (SW)	- 1st year	720,00
	- thereafter per year	240,00
D Phil	- 1st year	720,00
	- thereafter per year	210,00
BA (FA) (Hons)		870,00
BA (FA) (Hons)	- 2 year option	
	- 1st year	870,00
	- 2nd year	450,00
	- repeat	870,00
M A (FA)	- 1st year	720,00
	- thereafter per year	240,00
B A (Personnel Management)(Hons)		790,00
B A (Personnel Management)(Hons)	- 2 years option	
	- 1st year	670,00
	- 2nd year	350,00
	- repeat	670,00
M A (Personnel Management)	- 1st year	670,00
	- thereafter per year	210,00

Diploma in Applied Linguistics	670,00
Higher Diploma in Library Science	870,00
Faculty of Science	
B Sc (Hons)	870,00
B Sc (Hons) 2 years option	
- 1st year	870,00
- 2nd year	450,00
- repeat	870,00
M Sc - 1st year	720,00
- thereafter per year	240,00
M Cur - 1st year	720,00
- thereafter per year	240,00
D Sc - 1st year	720,00
- thereafter per year	240,00
Faculty of Education	
B Ed	790,00
B Ed 2 years option	
- 1st year	670,00
- 2nd year	350,00
- repeat	670,00
M Ed - 1st year	670,00
- thereafter per year	210,00
D Ed - 1st year	720,00
- thereafter per year	210,00
H E D (Graduate)	670,00
H E D (non-Graduate)	670,00
Faculty of Economic Sciences	
B Com (Hons)	790,00
B Com (Hons) 2 years option	
- 1st year	670,00
- 2nd year	350,00
- repeat	670,00
M Com - 1st year	670,00
- thereafter per year	210,00
D Com - 1st year	720,00
- thereafter per year	210,00
B Admin (Hons)	790,00
B Admin (Hons) 2 years option	
- 1st year	670,00
- 2nd year	350,00
- repeat	670,00
M Admin - 1st year	670,00
- thereafter per year	210,00
D Admin - 1st year	720,00
- thereafter per year	210,00
Faculty of Agriculture	
B Sc Agric (Hons)	870,00
B Sc Agric (Hons) 2 years option	
- 1st year	870,00

	- 2nd year	450,00
	- repeat	870,00
B Agric Ext (Hons)		870,00
B Agric Ext (Hons)	2 years option	
	- 1st year	870,00
	- 2nd year	450,00
	- repeat	870,00
M Sc Agric	- 1st year	720,00
	- thereafter per year	240,00
M Agric Ext	- 1st year	720,00
	- thereafter per year	240,00
D Sc Agric	- 1st year	720,00
	- thereafter per year	240,00

Fees for other Diploma Courses

1. Diploma in Public Administration	
Registration	R 65,00
Board	R1 120,00
Tuition	R870,00
2. Diploma in Agricultural Extension and Rural Development	
Registration	R 65,00
Board and Tuition	R410,00
3. Diploma in Agricultural Engineering	
Registration	R 65,00
Board and Tuition	R970,00

3.2 Part-Time Students – Zwelitsha Branch

- (i) Under Graduate Courses
- Arts, Law, Theology and Economic Sciences per subject per year R250,00
- Science, Agriculture, Social work and Fine Arts per subject per year R285,00
- (ii) Post Graduate Courses
Refer fees for fulltime students.

3.3 Special Students

Students taking a course of study for which no degree, diploma or certificate is awarded. Refer to fees for Part-time Students – Zwelitsha Branch.

3.4 General

Students registered for a degree or diploma and for an additional course or courses for degree, non-degree or diploma purposes in another faculty, will in addition to the prescribed fee for the degree or diploma for which they are registered, pay the prescribed fee for each additional course registered for.

4. Board and Lodging (Main Campus Alice)

4.1 Board and Lodging Payable

(i) Full time students	R1 120,00 per year
(ii) Occasional students Room and Meals	R 7,50 per day R 40,00 per week R 160,00 per month
(iii) Occasional students Meals only	R 2,50 per meal
(iv) Casual visitors Room	R 7,00 per day
Meals	R 3,75 per meal
(v) Full time students Room charge	R 5,00 per day
(During periods when the hostels and/or dining halls are officially closed and no food is provided).	

Fees for Students who report before the official opening of hostels at the beginning of the year

1. Supplementary/Aegrotat Exam Students

- 1.1 Students who arrive during January: to pay daily rate for room only (must find own meals) until 1st February (R7 per day for 1985). From 1 February full daily rate as per item 1.2 below.
- 1.2 Students who arrive during February: to pay full daily rate (for room plus meals as dining halls will be open on 1 February) (R7,50 per day for 1985).

2. Postgraduate students and students required to report early for selection courses

- 2.1 Students who are required to report in January: Rooms (but no meals) supplied free of charge.
- 2.2 Students who are required to report on or after 1 February: no charges at all as this is regarded as part of their academic year.

4.2 General

- (i) Students writing supplementary examinations, postgraduate students and all other students arriving before the date on which they must report (see Almanac) must make prior arrangements with the Assistant Registrar (Administration). Additional boarding fees are payable in advance.
- (ii) Should a student who resides in a hostel fail to be admitted to the examinations on account of poor academic progress during any year, he shall leave the hostel when lectures cease.
- (iii) A student who resides in a hostel shall leave such hostel not later than three days after his examinations.
- (iv) Full time students considering to make use of private board and lodging are required to obtain written permission from the University. Credits on fees account will only be passed after the above-mentioned permission has been granted.

- (v) Students are warned that the University considers it as a serious offence if a student who resides in private lodging makes use of the dining halls or if such a student moves into a hostel without written permission from the University and notifying the Chief accountant in advance.
- (vi) A candidate who believes that an error has occurred in the examination of his scripts may have his scripts rescrutinised. The rescrutiny does not involve the marking of a script anew but is limited to a checking of the addition of the marks which have been allotted and to making sure that marks have been allotted to every section of every question attempted. In order to obtain a rescrutiny a student must apply in writing to the Registrar within a week after the final examination results are officially available. The prescribed fee for a rescrutiny is R30 per subject and the fee must accompany the application. The fee will be refunded if a correction is made either to the advantage or disadvantage of the applicant as a result of the rescrutiny.

5. Other Fees

- 5.1.1 **Special, Aegrotat or Supplementary Examination: Per Course** R70,00
- 5.1.2 **Re-examination without re-attending Lectures:** R100,00
- 5.1.3 **Fee for repeating a semester course in the same Academic year. (Faculty of Agriculture).**
Same as in 5.1.1. above.

5.2 Cancellation of Registration

The fee for cancellation of registration will no longer be applicable but the University reserves the right to levy a fee of R35,00 in the event of a student not notifying the administration in the prescribed manner of such cancellation

5.3 Resubmission of dissertation of Thesis

Masters degree	R205,00
Doctor's degree	R240,00

5.4 Advance and certified statements

Completed degree/diploma	R 5,00
Transcript of Academic record	R 5,00

5.5 Rescrutiny of scripts

Per subject	R 30,00
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5.6 Duplicates of Diplomas and Certificates

A duplicate of a diploma or certificate shall not be issued, but a certified statement, bearing the University arms and giving the title and date of the diploma or certificate, shall be supplied on application and on payment of a fee of **R10,00**.

5.7 Graduation, Exemption and Status Fees

The fees payable in respect of graduation, exemption and status shall be as follows:

Graduation:	In praesentia	Nil
	In absentia	R40,00
Exemption:	per course	R20,00
Status:	per degree	R25,00

5.8 Foreign Students (students outside South Africa and it's independent states)

Additional levy on registration payable in advance	R625,00
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5.9 Privately-owned Vehicles

- (i) Students must apply to the Rector for permission to keep a vehicle on the

This first instalment may however be paid in two parts:

On or before registration R 195,00

The balance of the 1st instalment is payable on or before 30 April.

Second instalment (Balance of fees) on or before the first day of the second semester.

See "Default of Payment".

- (ii) Students must **not** report for registration if they do not have the first instalment available for payment on registration day. These students will not be registered or admitted to the hostels and will be required to leave the Campus **immediately**.

6.3 Awards held by Students

- (i) If an approved award is held by a full time student that does not cover the total fees, the student is required to pay the difference between the total fees and 50% of the award held, with the proviso that the student shall not pay an amount in excess of R1 250,00 at registration.

The same principle applies to part time students provided that the first instalment shall not be in excess of R170,00 per subject registered for plus R65,00 registration fee.

- (ii) Students who have been awarded bursaries are advised to contact the Senior Bursary Clerk in advance to ascertain if the bursary is acceptable to the University for registration purposes.
- (iii) Students who have been awarded bursaries, must provide **written proof of acceptable awards addressed to the University of Fort Hare**, on registration day, otherwise the bursary will be ignored in the calculation of the first instalment.
- (iv) If payment of a bursary is subject to the students mid-year results being satisfactory or any other reason, credit **will not** on registration, be given for the amount not guaranteed. **The student will have to ensure that fees are fully paid on the first day of the second semester, failing which the student will be requested to leave the University immediately.**
- (v) In regard to State or University loans and bursaries students must note that the loan or bursary is only effective after due completion of the loan or bursary agreement form. No credit will be allowed in respect of loan until the agreement form has been fully and properly completed and signed by all the relevant parties.
- (vi) Only 50% of an approved bursary awarded/promised to a student will be taken into the assessment of the first instalment of fees payable at registration.
- (vii) **Students are requested in their own interests, to notify their sponsors of the dates of payment. See "Default of Payment".**

Example showing method of applying approved awards to fees due:

A	Fees Assessed	R2 100,00
	Less Bursary (R2 100,00) 50%	R1 050,00
	Amount owing	R1 050,00
	Payable on or before registration	R 200,00
	Payable on or before 31 May	R1 480,00
	Balance due 1st day of second semester	R 420,00

B	Fees Assessed	R2 100,00
	Less Bursary (R1 600,00) 50%	R 800,00
	Amount owing	R1 300,00
	Payable on or before registration	R 450,00
	Payable on or before 31 May	R1 230,00
	Balance due 1st day of second semester	R 420,00
C	Fees Assessed	R2 100,00
	Less Bursary (R300,00) 50%	R 150,00
	Amount owing	R1 950,00
	Payable on or before registration	R1 250,00
	Payable on or before 31 May	R 430,00
	Balance due 1st day of second semester	R 420,00

Please note that the University will not deviate from this rule and students must bring the required amount for registration purposes. These rules are laid down by the Council of the University and University staff members are unable to deviate from these rules.

6.4 Method of Payment

- (i) The payment of fees are strictly **cash**, but the following methods may be used.
- (a) *Private cheques*
Private cheques are acceptable provided that these cheques are bank guaranteed and all details of student name etc. must be submitted with all payments.
 - (b) *Bank transfers*
Money may be transferred to the University's bank account. A copy of the Bank transfer or deposit slip with the full name of the student and number should be posted direct to the Accountant, University of Fort Hare.
 - (c) *Bank cheques*
Bank cheques can be obtained at any commercial bank.
 - (d) *Telegraphic Money Orders*
When using Telegraphic Money Orders students and parents must make sure that the purpose of the payment (the name of the student and number or account) is clearly stated on the Post Office application forms for telegraphic money orders.
 - (e) *Saving Accounts*
Students must take note that money deposited in a savings account at commercial banks in other centres than Alice may take up to six weeks to be available at the bank in Alice (due to postal delays and the clearance of private cheques).
 - (f) *Cash payments*
Cash payments are done at the Cashier's Counter, Administration Building. Students are advised to consult their local bank manager or post office to seek advice on the most economical and safest means of paying their student accounts.

Cheques must be crossed and made payable to The University of Fort Hare. Telegraphic transfers must be made through Standard Bank Alice for account The University of Fort Hare.

Please make sure that full details accompany all payments. This will ensure that payments will be directed to the correct accounts avoiding queries at later stages.

6.5 Default of Payment

In the case of a student who fails to pay the fees for which he is liable on the dates as prescribed in these regulations, the University will

- (i) exclude such student from a hostel;
- (ii) exclude such student from lectures;
- (iii) exclude such student from both hostel and lectures;
- (iv) refuse admission to examinations to such student;
- (v) interest will be charged monthly on the outstanding account;
- (vi) Degrees and diplomas will be withheld;

6.5.1 INTEREST WILL BE LEVIED MONTHLY FROM 1 JUNE, IRRESPECTIVE OF WHETHER THE FEES ARE PAID BY THE STUDENT OR A SPONSOR. The onus rests with the student to advise his sponsor/s of this fact and to encourage them to pay as prescribed.

6.5.2 Students owing fees will only be admitted for the next Academic Year under the following conditions:

- (i) Students owing less than R50,00 as on 1 December will be admitted provided that the outstanding amount is paid in full on registration in addition to the first instalment for the new Academic Year.
- (ii) Students owing more than R50,00 on 1 December and who subsequently settle their accounts will only be considered for admission provided there is available space. Such a student, if admitted, will only be allowed to register on payment of all outstanding fees and interest and on payment of the full fees for the new Academic Year (both instalments)

6.5.3 Students arriving after the winter vacation will not be allowed to remain at the University if their fees are not fully paid.

6.6 Refund of Credit Balances

- (i) Credits in Students fee accounts will be refunded on the third Friday of every following month. No refunds can be made during the registration period until the 31 March.
- (ii) All monies received by the University towards a student's account with the University, will be used for that purpose only. A refund can only be made once the student's account has been settled in full irrespective of any bursaries held by such a student.
- (iii) Money paid by a parent/guardian on behalf of a student who subsequently obtains a bursary will not be refunded to the student unless the Accountant is given written consent by the parent/guardian to refund the sum paid, the residue or a part thereof to said student.

6.7 Book Money

- (i) Students must be aware of the fact that the University does not supply or sell

books to students. Books must be purchased by students themselves from the local bookshops in Alice.

- (ii) Students should on no account deposit with the University any money intended for their own personal use as no refunds can be made during or immediately after the registration period.
- (iii) Fees must be sent direct to the Registrar and not to students. (Pocket and book money must be sent to students personally).
- (iv) Lectures commence immediately after the registration period and students without the necessary books will definitely be handicapped. In addition to the registration fee of R1 250,00 students are advised to arrive with not less than R300,00 with which they can purchase prescribed books.
- (v) Students who are paying their fees by cheque must be aware of the fact that book money included in cheques tendered cannot be refunded during or immediately after the registration period.

Book money must therefore not be included in cheques tendered for the first instalment.

6.8 Cancellation of Registration

- (i) Students who wish to cancel their registration for any reason whatsoever, must notify the Registrar (Academic) immediately in writing of their intention. Reasons for cancellation must be stated.
- (ii) Receipt of letters of cancellation will be acknowledged by the Student Registration Office. Students should therefore leave a forwarding address with the Warden and the Students Registration.
- (iii) The onus rest on a student to submit proof if required of his/her cancellation of registration.

6.9 Remission of Fees

- (i) Students who are admitted to the University and who sign the registration form and the undertaking therein, shall be liable for the full fees for the Academic Year in question.
- (ii) Remission of fees will only be considered in cases where students complied with rules of cancellation of Registration. (See 6.8 above).
- (iii) Remission of fees may be granted by Council in the following cases:
 - (a) Students who cancel their registration during the first semester will be considered for remission for the second semester only.
 - (b) **Students who cancel their registration after the first day of the second semester will not be considered for any remission at all.**
 - (c) In the case of a student who is prevented by illness or by any other reason acceptable to Council, from completing his/her studies, and leaves the University and hostel after reporting to the Registrar as prescribed, Council may allow the remission of fees for board and lodging and tuition.
- (iv) A student whose registration is cancelled by the University as a result of disciplinary measures taken by the Rector or any appropriate University authority, will not qualify for remission of fees.
- (v) The registration fee shall under no circumstances be refunded.
- (vi) No remission of fees for full time students will be considered if they cancel individual subjects without cancellation of registration.

Faculty of Agriculture students who are excluded on academic grounds at the end of the first semester will be granted full remission of all fees for the

second semester.

- (vii) The University reserves the right to refuse the refund of any tuition or board and lodging fees without giving reasons for doing so.

7. Financial Aid to Students

7.1 General information on bursaries and loans

The official Bursaries Committee of the University controls and awards a large number of bursaries and loans to students every year. This money comes from the Government as well as private firms and persons.

- (1) Application for a bursary or loan must be made on the form marked "Application form for bursaries. Scholarships and loans awarded by the University". (Different forms for senior and new students). These forms are obtainable at the Registration venue.
- (2) Late applications will only be considered in highly exceptional circumstances.
- (3) Application for a bursary or loan must be made each year. Bursaries and loans are awarded for one year at a time only and students must re-apply every year.
- (4) Bursaries and loans are awarded only to those who have been admitted to the University and who obtain good results in their year-end examinations. Students who fail their examinations will not get any awards.
- (5) Students will be advised of the results of their bursary applications by about the middle of May each year.
- (6) If bursaries and loans do not cover all the fees, students will have to find the rest of the money themselves, before reporting for registration. Students must note that applications for any bursary or loan may not be successful. As they will be kept personally responsible for payment of fees, it is essential that the prescribed amount payable at registration (R1 250,00) should be brought along. Should a bursary/loan be awarded and received from the donor the cash payment will be refunded. Students who do not have the funds available for registration (R1 250,00) should not come to the University unless approval is given by the Registrar (Academic).
- (7) The Bursaries Committee may recommend withdrawal or reduction of awards where it considers the student has received more money than is necessary.
- (8) Students are reminded that they (not the donor) will be held responsible for payment of fees should they leave during the year and remission is not allowed. It must be further noted that students who have been awarded bursaries by sponsors who allocate and administer the bursaries independently of the University, will be held responsible for the payment of fees, should they fail to comply with conditions set by such donors.

Social Work Students

The University will subsidise social work students doing their vacation field work practicals. Students will receive R10,00 per week to help cover local travel and incidental expenses. Students who are placed away from their home towns will receive 55% of the train fare to such a place. Students are responsible for their own accommodation.

7.2 Conditions attached to Study loans

- (1) Any student to whom a study loan is granted shall conclude a study loan agreement with the Council on a form approved by the Secretary of Education and Training. If the loan agreement is not completed by the

- student and surety within a reasonable period, the loan may be withdrawn by the Council.
- (2) The account of a loan holder shall be credited yearly with the granted amount of the loan.
 - (3) No moneys shall be payable direct to a loan holder.
 - (4) The Council shall have the right to terminate the study loan agreement, in which case all moneys due by the loan holder in terms of the study loan agreement shall immediately become claimable together with interest at 6 percent per annum calculated from the date of termination of the study loan agreement, if a loan holder:
 - (a) abandons his studies or
 - (b) fails to attend classes regularly, or does not apply himself diligently and conscientiously to his studies, or does not make satisfactory progress, or fails his examinations; or
 - (c) without reason acceptable to the Council, fails to complete the course of study within the prescribed period; or
 - (d) is found guilty of a criminal offence; or
 - (e) is for whatever reason, suspended from the university; or
 - (f) for, whatever reason, fails to complete the course of study.
 - (5) Any study loan shall, subject to the provisions of the Act, be repayable to the Council of the University on 1 April of the year following the year in which the course of study has been completed. Provided that the Council may approve that the study loan be repaid over a longer period in instalments of not less than R20,00 per month, and in which case interest at the rate of 6 percent per annum shall be levied from the date the study loan becomes repayable.
 - (6) As soon as the loan holder, after completion of his course of study, accepts a post, he shall immediately notify the Council of the name and address of his employer.
 - (7) The loan holder shall, after completion of his course of study, immediately notify the Council of any changes in respect of:
 - (a) his residential and working address;
 - (b) the address of his surety;
 - (c) the name and address of his employer.
 - (8) The provisions of sub-regulations (6) and (7) shall also apply to any loan holder whose loan agreement has been terminated by the Council in terms of sub-regulation (4).
 - (9) The loan holder shall authorise his employer to recover the amount due to the Council in terms of the study loan agreement, together with any interest, in monthly instalments of not less than R20,00 per month from any salary payable to him and to pay it over to the University.
 - (10) Notwithstanding anything to the contrary contained in these regulations, any loan shall be interest-free as long as the loan holder, with or without a study loan, studies full time at a university, and a loan shall not be repayable during such period. Provided the student supplies written proof of his registration on official paper, duly signed by the Registrar concerned.

7.3 Postponement of Termination of Study Loan Agreement

Notwithstanding anything to the contrary contained in these regulations the Council may postpone the termination of a study loan agreement if a loan holder:

- (a) fails in any year of study or passes in his final year but does not fully qualify for the award of a degree, diploma or certificate, and such loan holder repeats at his own expense the year of study concerned or the missing courses or subjects at the University in the subsequent year.
- (b) interrupts his studies on account of financial difficulties, and takes up employment with the purpose of saving money to enable him to return to the university as a fulltime student: Provided that:
 - (i) the loan holder shall obtain the prior approval of the Council for such interruption;
 - (ii) such interruption shall not be for longer than two years; and
 - (iii) the Council shall have the right to terminate the study loan agreement with retrospective effect as from the date on which the studies were initially interrupted if the loan holder fails to continue his studies at the university;
- (c) interrupts his studies on account of illness or for some reason or other acceptable to the Council, and intends to return to the university after such interruption as a fulltime student to continue his studies: Provided that:
 - (i) in the case of illness, the loan holder shall, as soon as possible, submit to the Council a medical certificate issued by a registered medical practitioner;
 - (ii) in the case of other reasons, the loan holder shall obtain the prior approval of the Council for such interruption;
 - (iii) such interruption shall not be for longer than two years; and
 - (iv) the Council shall have the right to terminate the study loan agreement with retrospective effect as from the date on which the studies were initially interrupted, if the student fails to continue his studies at the university.

7.4 Exemption of Surety

Should a loan holder, during his studies or after completion thereof, but before the loan has been repaid, die or become mentally disordered, or otherwise become physically incapable of fulfilling his obligations under the study loan agreement, and the debts cannot be recovered from the estate of such loan holder, or from such loan holder himself, the Council may release the surety from his contractual obligations.

7.5 Accounts and Records

- (i) The Council will maintain such accounts and records as are essential for the proper exercise of control over grants, payments and recoveries of study loans.
- (ii) The Secretary for Education and Training may at any time order that the accounts and records referred to in sub-regulation (i) be submitted by the Council to him or to an officer designated by him, for inspection.

7.6 Writing-off of Study Loans

No irrecoverable loans shall be written-off without the approval of the Secretary for Education and Training.

**CRITERIA FOR THE EXCLUSION OF FULL-TIME UNDERGRADUATE STUDENTS
ON ACADEMIC GROUNDS**
(With effect from 1/11/1984)

1. First Year Students

1.1 Exclusion from a faculty

Unless the rules of a faculty provide otherwise*, a student will be excluded from his faculty if he does not pass at least two courses and obtains a final mark of at least 40% in all but one of the other courses for which he registered.

***1.1.1 Faculty of Theology**

A student in his first academic year will be excluded from this faculty if he fails to qualify for promotion to the second year after his second attempt. Faculty reserves the right however to exclude a student if he fails three or more subjects at the end of his first year.

***1.1.2 Faculty of Agriculture**

Unless the Examinations Committee of the Faculty of Agriculture should recommend otherwise in deserving marginal cases, a student in his first year shall be excluded from the Faculty if he does not obtain a pass mark in courses with a total load of at least 24 units and a final mark of 40% or more in the remaining courses with a total load of at least 10 units.

Registration in another faculty

1.2 With the exception of par 1.3 below a student who is excluded from a faculty may be permitted to register in another faculty but may only repeat a course previously failed if:

(i) it is a compulsory ancillary for the student's new curriculum;

OR

(ii) a final mark was obtained of at least 40% (F symbol or higher) at the first attempt and the permission of the Head of Department and the Dean of the Faculty in which course is offered is obtained.

1.3 A student who is excluded from the faculty of Agriculture may not register for the agriculture options in the Faculty of Education, and if excluded from an agriculture option in the Faculty of Education, may not register in the Faculty of Agriculture.

2 Other Students

2.1 The Senate may refuse a student permission to renew his registration in any faculty if he has failed to complete the required courses set by the faculty concerned for promotion to the following academic year of study.

2.2 A student will be excluded from the University if he has not fulfilled all the requirements for his proposed degree within the minimum period plus two additional years, except in special circumstances approved by Senate.

2.3 A student who changes his faculty/degree course must still complete the new degree within the limits set in 2.2 above. These limits include all previous years of register in any faculty.

3. General

- 3.1 Subject to the foregoing a student shall be excluded from the University if:
- (1) having been permitted to repeat his first year of study in the same or another faculty, he again fails to qualify for promotion to the second year of study; OR
 - (2) he has failed after two opportunities to qualify for promotion to the next academic-year of study.
- 3.2 Periods of attendance and examination results at another university shall be taken into account, those at a residential university in the same manner as at this university.
- 3.3 If a student, by written notification received by the Registrar (Academic) before 15 April of any year, cancels his registration, the registration for that year shall not be taken into account for exclusion purposes.
- 3.4 The Rector may, on the recommendation of a faculty, readmit a student who has been excluded from the faculty where his subsequent experience or study justifies readmission.

(*final mark is the average of the year and examination marks)

BURSARIES AND SCHOLARSHIPS

The bursaries and scholarships which are available and which are tenable at the University of Fort Hare have been classified into two groups:

Group A: Those which are allocated by the Bursaries Committee of the University.

NOTE: All applications for bursaries under Group A in the Calendar, must be made on the prescribed form, which will be available at the registration venue during the registration period.

These bursaries are available to:

- a) New students (All students who register for the first time at Fort Hare)
- b) Senior students (All students proceeding to their 2nd, 3rd and 4th year of study)

Bursaries are allocated on a sliding scale according to the examination results of the previous year.

(Students who failed in the examination and who do not qualify to proceed to the next year of study, will not be considered).

The closing date of applications is the final date of late registration as in the Diary Section of the Calendar.

NOTE: The Education and Training bursaries also fall under category A. Students who qualify for renewals must apply each year.

NO LATE APPLICATIONS WILL BE CONSIDERED

Group B: These awards which are made, independently of the University, either by the donors or Trustees or other bodies.

All awards to students are subject to satisfactory conduct and progress. The University may revise an award or advise the donor or another body to do so where it considers that awards in excess of reasonable needs have been granted to a student.

BURSARIES, SCHOLARSHIPS AND LOANS

GROUP A

(Administered by the Bursaries Committee of the University)

Description	Availability	Value	To whom application should be addressed	Latest Date
The Coca-Cola Export Corporation Scholarship Scheme	Two Coca-Cola Export Corporation Scholarships are available, on an annual basis, for deserving students.	R900 per annum each	The Registrar	Last Day of late Registration
Berkshire Bursary	The bursary is offered every year and preference is given to children of the Company's employees.	1 Full bursary	The Registrar	Last Day of late Registration
Benson and Hedges Company	Available to students who wish to qualify for STD, SSTD, BPed, BA, UED, B.Com, BSc and BSc Agric on merit and need	R7 000 per annum	The Registrar	Last Day of late Registration
Barclays National Bank Limited	Available to under-graduates in the following disciplines: BSc, B.Com., Agriculture	R2 400 per annum	The Registrar	Last Day of late Registration
Burroughs Machines Limited	Available to students doing BSc, B.Com and BSc (Computer Science)	R1 000 per annum	The Registrar	Last Day of late Registration
Chamberlains (Pty) Ltd.	Available to Senior under-graduates doing BSc	R1 000 per annum	The Registrar	Last Day of late Registration
Cadbury (Pty) Ltd.	Available to 2nd year BSc student majoring in chemistry	R1 000 per annum	The Registrar	Last Day of late Registration
Cyanamide Limited	Available to all under-graduates	R2 500 per annum	The Registrar	Last Day of late Registration

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<p>Council for Scientific and Industrial Research (CSIR): Post-graduate Bursary Scheme:</p>	<p>Attendance of International Conference. Candidates who have already achieved standing in the field covered by the conference who will make a contribution to the proceedings and who occupy positions which ensure that the knowledge gained will be disseminated on their return to South Africa.</p>	<p>The CSIR will make grants not exceeding 50% of the minimum cost of attendance on condition that the applicants' own institutions pay at least 30% of the minimum cost of attendance.</p>	<p>The Registrar</p>	<p>30 November</p>
	<p>Post-BSc bursaries Candidates must be South African citizens, be registered full-time students for the Honours degree and should have obtained an aggregate of at least 60% in their major subjects in the final BSc examination. (Pure and Applied Sciences and Engineering).</p>	<p>R2 600 per annum R3 600 for candidates obtaining distinction.</p>	<p>The Registrar</p>	<p>30 November</p>
<p>Post-BSc Honours bursaries</p>	<p>Graduates who obtained an aggregate of not less than 60% in their major subjects in the final honours examination. (Engineering students who obtained an aggregate of 55% in all their subjects in the year-end examinations will qualify). Candidates must be South African citizens and must be registered full-time students for the masters degree. (Pure and Applied Sciences and Engineering).</p>	<p>R4 000 per annum. R5 000 for candidates obtaining distinction.</p>	<p>The Registrar The Registrar, Port Harcourt, Rivers State, P.M.B. 5700 Note: Applications must be forwarded to the Registrar, Port Harcourt, Rivers State, P.M.B. 5700.</p>	<p>30 November</p>

<p>Post-MSc bursaries</p> <p>Description</p> <p>The Call-Call Report Expiration</p>	<p>Candidates must be in possession of a Master's degree. They must be South African citizens and must be registered as full-time PhD students. (Pure and Applied Sciences and Engineering).</p>	<p>R7 000 per annum.</p> <p>Value</p> <p>R7 000 per annum each</p>	<p>The Registrar</p> <p>To whom application should be addressed</p> <p>The Registrar</p>	<p>30 November</p> <p>Latest Date</p> <p>Last Day of late Registration</p>
<p>Post-MSc bursaries for Foreign Students</p> <p>Priority</p> <p>Pressure</p> <p>Low-500-Honours</p>	<p>Outstanding foreign students who are in possession of at least a Master's degree and have been accepted for post-graduate studies at a South African university. (Pure and Applied Sciences and Engineering).</p>	<p>R4 800 per annum.</p> <p>1 Full bursary</p> <p>0,000,000</p> <p>02 000 per bursary</p> <p>04 000 per annum</p>	<p>The Registrar</p> <p>The Registrar</p> <p>The Registrar</p>	<p>30 November</p> <p>Last Day of late Registration</p> <p>30 November</p>
<p>Special Merit Bursaries</p> <p>Students</p> <p>National Bank Limited</p> <p>Surrogate</p>	<p>Candidates must be South African citizens in receipt of a Master's degree and studying for a PhD, under 30 years of age and full-time students. Their academic records should indicate an outstanding performance. (Pure and Applied Sciences and Engineering).</p>	<p>R9 500 for the first year.</p> <p>R9 500 per annum</p> <p>0,000,000</p> <p>02 000 per annum</p> <p>03 000 per annum</p>	<p>The Registrar</p> <p>The Registrar</p> <p>The Registrar</p>	<p>30 November</p> <p>Last Day of late Registration</p> <p>30 November</p>
<p>Post-Doctorate Bursaries (For full-time research in South Africa)</p> <p>Post-Doctorate</p> <p>Research (SAR)</p> <p>Priority</p> <p>Surrogate</p> <p>Call-Call</p>	<p>PhD or DSc degree. (Pure and Applied Sciences and Engineering).</p>	<p>R10 000 per annum.</p> <p>0,000,000</p> <p>00,000,000</p> <p>00,000,000</p> <p>00,000,000</p> <p>00,000,000</p>	<p>The Registrar</p> <p>The Registrar</p> <p>The Registrar</p> <p>The Registrar</p>	<p>30 November</p> <p>Last Day of late Registration</p> <p>Last Day of late Registration</p> <p>Last Day of late Registration</p>

<p>Post-MSc Overseas Bursaries</p>	<p>South African citizens who are in possession of a Master's degree or equivalent qualification in the field of Pure and Applied Sciences (including Pharmacy, Engineering, Architecture and Land Surveying). The bursaries will only be awarded where facilities for further study are not available or are inadequate in South Africa.</p>	<p>R8 000 per annum, plus class fees (maximum of R2 000 per annum) and travel grant.</p>	<p>The Registrar</p>	<p>30 November</p>
<p>Post-doctorate Bursaries for Overseas Research</p>	<p>South African scientists who are in possession of PhD degrees in the field of Pure and Applied Sciences (including Pharmacy, Engineering, Architecture and Land Surveying).</p>	<p>R8 400 per annum plus travel grant.</p>	<p>The Registrar</p>	<p>30 November</p>
<p>Federale Volksbeleggings Beperk Bursary</p>	<p>The Federale Volksbeleggings Beperk bursary is for either undergraduate or post-graduate study. Awarded on grounds of both merit and need.</p>	<p>1 Full bursary</p>	<p>The Registrar</p>	<p>Last Day of late Registration</p>
<p>The Fidelity Bank and Trust Company Bursary</p>	<p>One bursary is awarded annually to a young and deserving man, from the Port Elizabeth area or region.</p>	<p>R300 per annum</p>	<p>The Registrar, University of Fort Hare, Private Bag X1314 ALICE, C.P. 5700</p> <p>Note: Applications must please not be forwarded to the donor Company direct.</p>	<p>Last Day of late Registration</p>

French Embassy Bursaries (Overseas)	Bursaries in France: For advanced students who are willing to get a specialization in their field in France. The period spent in France depends on the kind of bursary	Depends on the duration of the stay	French lecturer of the University of Fort Hare	28 February
French Embassy Bursaries (Local)	Available to students who intend to choose French as subject. The preference will be given to students with BA II or III, intending to become French Teachers or hoping to go to France for Post-Graduate studies.	R900 per annum	French lecturer of the University	28 February
National Study Loan and Bursary Fund	The loans and bursaries are awarded to promising students who are in need of financial assistance.	No fixed amount and the extent of assistance is not predetermined.	The Registrar	Last Day of late Registration
Reckitt and Colman Scholarships	The Company offers bursaries annually and these are available for both undergraduate and post-graduate students who are in need of financial assistance to complete their degree courses. Students who are studying for professional diploma and certificate courses are also eligible.	R1 000 per annum	The Registrar	Last Day of late Registration
Ford Bursary	The Ford bursary is available for undergraduate students who need financial aid to complete their degree course.	Varies	The Registrar	Last Day of late Registration

<p>The J H Hofmeyr Scholarship Fund</p> <p>Description</p>	<p>The J H Hofmeyr Scholarship Fund (established under the Will of the late Mrs D C Hofmeyr provides for the award of three scholarships, each tenable for three years.</p> <p>The scholarships are open to undergraduate male students under the age of 23 years.</p>	<p>R1 200 per annum</p> <p>Value</p> <p>No limit amount. The value depends on merit as well as need.</p> <p>R50 000 per annum</p>	<p>The Registrar</p> <p>For whom application should be submitted</p> <p>The Registrar</p> <p>The Academic College Educational Trust Fund</p> <p>P.O. Box 1174</p> <p>JHANNAPUR</p> <p>214 1601416</p>	<p>Last Day of late Registration</p> <p>Latest Date</p> <p>31 October</p> <p>Registration</p> <p>214 1601416</p>
<p>Livestock and Meat Industries Control Board</p> <p>Collaboration with</p> <p>Government</p> <p>Some products</p>	<p>Available only to BSc (Agriculture) students who major in Animal Science and to BAgricult students who major in both Animal Science and Horticultural Science. Two bursaries are awarded each year and are tenable for three years.</p>	<p>R200 per annum</p> <p>R200 per annum</p> <p>R200 per annum</p> <p>Available subject to examination progress.</p> <p>R1 500 000</p>	<p>The Registrar</p> <p>The Registrar</p> <p>The Registrar</p> <p>P.O. Box 1174</p> <p>JHANNAPUR</p> <p>214 1601416</p>	<p>Last Day of late Registration</p> <p>Latest Date</p> <p>Registration</p> <p>214 1601416</p>
<p>Fedmech Foundation for Advanced Education and Research</p>	<p>Massey-Ferguson bursaries are available for first degree or postgraduate study in the fields of Agricultural Engineering, Agronomy and related studies.</p>	<p>The amount awarded is variable, but bursaries will cover both residential and tuition fees.</p> <p>Free fees, residence fees and cash allowance</p>	<p>The Registrar</p> <p>The Registrar</p> <p>The Registrar</p> <p>The Secretary</p>	<p>Last Day of late Registration</p> <p>Latest Date</p> <p>31 July</p>
<p>Piikington Glass Bursary</p> <p>60/1 714</p> <p>60/1 714</p>	<p>Available to second year undergraduate students in the Faculties of Commerce, Science and Engineering, who are not in possession of another bursary or award and based upon academic record and who need financial aid to complete their degree course.</p>	<p>R750 per annum for oppidans</p> <p>R1 800 per annum if resident in Hostel</p>	<p>The Registrar</p> <p>The Registrar</p> <p>The Registrar</p>	<p>Last Day of late Registration</p> <p>Latest Date</p> <p>Registration</p> <p>214 1601416</p>

Lascon Lighting (Pty) Ltd (Overseas)	Lascon Lighting Bursaries are available for undergraduate studies in the Faculties of Science, Agriculture, Education and Economic Sciences.	R200 per annum Duration of the stay	The Registrar of the University of Fort Hare	Last Day of late Registration
Robert Niven Trust Bursaries	An amount of R11 000 has been set aside by the Trust for financial assistance to needy students who will embark on careers in medicine, social welfare, the ministry and the teaching professions.	Varies	The Registrar of the University of Fort Hare	Last Day of late Registration
Sperry Bursary	Available to 2nd year undergraduates up to Post-graduate level in a Computer related field. (I.E. B.Sc and B.Comm)	R2 000	The Registrar of the University of Fort Hare	Last Day of late Registration
Small Business Development Corporation Ltd.	Two Bursaries available to second year B.Com students.	R1 400 each	The Registrar of the University of Fort Hare	Last Day of late Registration
Union Festival Bursaries	Three bursaries are provided annually through the Department of Education and Training for post-graduate students.	R300 each per annum	The Registrar of the University of Fort Hare	Last Day of late Registration
Standard Bank Scholarship	Ten bursaries available to first year students studying in any field. Bursary will be for one year only. Loans can be considered from second year onwards.	R20 000 per annum	The Registrar of the University of Fort Hare	Last Day of late Registration

BURSARIES, SCHOLARSHIPS AND LOANS

GROUP B

(Administered by the Donors and Trustees)

Description	Availability	Value	To whom application should be addressed	Latest Date
The Adams College Educational Trust	The Adams College Educational Trust Fund gives grants of varying amounts only to those students nominated by certain school and university principals selected by the Trustees.	No fixed amount. The value depends on merit as well as need.	The Secretary, The Adams College Educational Trust Fund, P.O. Box 1849, DURBAN 4000	31 October
Anglo American Life Bursaries	The Anglo American Life group is considering offering bursaries to students of the following disciplines: Computer Science, Commerce, Economics, Accounting, Actuarial Science. Available to matriculants or students in any year of study based on academic merit but also taking into account the financial need. To take up employment after completion.	Value up to R1 500 per year. The bursary is renewable subject to satisfactory progress.	The Bursary Secretary, Personnel Division, Anglo American Life, P.O. Box 1114, JOHANNESBURG. 2000.	30 September
Anglo American Corporation Vocational Scholarship.	Available to students who are citizens or permanent residents of a South African state for undergraduate study in: BSc with Geology as major and/or Chemistry and/or Maths and/or Physics as second major. BSc Agriculture. BCom with Accountancy as major. Bursar must work for the Corporation during long vacations and at least two years after graduation.	Tuition fees, residence fees and cash allowance of R900 per annum. Bursary for one year, but renewable on application.	The Scholarship Secretary Anglo American Corporation of S A Ltd, P.O. Box 61587 MARSHALLTOWN 2107	31 July

<p>Anglo American Corporation Open Scholarship</p>	<p>Available to students who are citizens or permanent residents of a Southern African state for study towards any degree. (Applicants must apply during the matriculation year at school)</p>	<p>a) Tuition fees b) Residence fees c) Cash allowance R1500 per annum d) One return airfare to London during the course of study.</p>	<p>The same as above</p>	<p>31 July</p>
<p>Albow Memorial Fellowship for Overseas Research</p>	<p>Available to Post-Graduate students for research in the Faculties of Science, Medicine or Agriculture — tenable at the Hebrew University, Jerusalem.</p>	<p>R5 000 per annum</p>	<p>The Bursaries Committee, S A Zionist Federation, P.O. Box 18, JOHANNESBURG, 2000 (Applications to be marked "Albow Fellowship")</p>	<p>31 October</p>
<p>Arthur Young Trust.</p>	<p>Tenable to a student on the University of Cape Town fulltime CTA conversion course. Open to any graduate with a Bachelors degree.</p>	<p>R1 000 per annum for one year only.</p>	<p>Mr R L Lumb, P.O. Box 4807, CAPE TOWN 8001</p>	<p>15 September</p>
<p>Barlow Rand Bursary Scheme</p>	<p>Available to B Com 2 — 3 students — leading to CTA Bursars expected to work for the Company</p>	<p>1. Tuition fees 2. Residential fees 3. R300 per annum for books</p>	<p>The Bursaries Officer, Barlow Rand Ltd, P.O. Box 78-2248 SANDTON, 2146</p>	<p>30 September</p>
<p>Caltex Educational Trust</p>	<p>Available to Post-graduate students in Agricultural Extension and Rural Development at Fort Hare. Preference will be given to students working in the National or Independent States of S.A.</p>	<p>R1 000 per annum</p>	<p>Written applications to: The Head of the Department of Agriculture, Extension and Rural Development, University of Fort Hare P.O. Box X1314, ALICE, 5700</p>	<p>30 October</p>

Chamber of Mines of South Africa	Available to full-time students for study leading to a bachelor's degree. Applicants must be under 25 years of age. Applicants must be an employee of a mining company or a dependant of an employee or former employee who retired or died in service of a mining company which is a member of the Chamber of Mines.	Full tuition, registration and hostel fees. Allowance of R600 per annum.	The Bursary Officer, Chamber of Mines of South Africa, P.O. Box 809 JOHANNESBURG 2000	30 December
Charles Stephens Educational Trust	Available to full-time undergraduate students.	R2 000 per annum	Trust Officer, Barclays National Bank Ltd., P.O. Box 2036, JOHANNESBURG, 2000	
BP Education Trust	The BP Education Trusts regularly considers applications for educational aid by students of all races.	*See note below for details.	The Secretary, The BP Education Trust, BP Southern Africa Ltd., Thibault Square, P.O. Box 6006, CAPE TOWN, 8012	31 January

***The BP Education Trust**

The BP Education Trust was established in 1975 to give expression to the social responsibility BP Southern Africa (Pty) Limited felt towards the people of Southern Africa. Since then it has operated as a formal in-company committee which meets regularly to consider applications for educational aid by students of all races.

Teacher Student Bursaries

Five bursaries at R650 each.

Total not to exceed R20 000.

Undergraduate Bursary for Agricultural Study B. Agric. R1 000

Three year course for Agricultural Extension officers in the Transkei, the emphasis being placed on practical application in agricultural extension and guidance.

B.Sc.Agric

R1 000

Four year course, awarded after successful completion of first year (effectively 3 years).

Postgraduate Agricultural Bursary

Open to students in possession of at least a B.Sc.Agric. or B.Agric. degree. Preference will be given to applicants already distinguished in the field of Agriculture.

R3 250

The prescribed bursary application forms are obtainable from the Registrars of all universities.

<p>Cape Town Terminating Building Society University Scholarships</p>	<p>Various scholarships are available for University degree courses</p>	<p>Between R200 and R500 per annum</p>	<p>The Secretary, Scholarship Committee, Cape Town Terminating Building Society, 110 Bree Street, CAPE TOWN, 8001</p>	<p>15 November</p>
<p>DAMSA Bursary</p>	<p>Available to students studying BSc Engineering, Computer — and materials sciences.</p>	<p>R3 000 per annum</p>	<p>Bursary Selection Committee, D A M S A, P.O. Box 1338, JOHANNESBURG, 2000</p>	<p>31 January</p>
<p>De Beers Group Scholarships</p>	<p>Available for matriculants to follow degrees in Commerce/ Accountancy, Computer Science, Geology or Mining Geology, and pure Science. The latter is only allocated if the Science degree is followed by an Engineering degree. Successful candidates must serve the Company for two years after completion of the degree.</p>	<p>Cash grant and book allowance of R600 per annum. Renewable every year.</p>	<p>The Group Secretary, De Beers Consolidated Mines Limited, P.O. Box 616, KIMBERLEY, 8300</p>	<p>31 July</p>
<p>Durban City Council's Bursaries</p>	<p>Th bursaries are offered annually to persons under the age of 24 who have resided in Durban for a minimum period of 10 years for undergraduate studies at any University in the Republic of South Africa.</p>	<p>Amount equal to the annual tuition fee</p>	<p>The Town Clerk, Durban City Council, P.O. Box 1014 DURBAN 4000</p>	<p>15 January</p>
<p>Donald Molteno Memorial Award</p>	<p>This bursary is offered every 3 years to a selected scholar working towards an Honours or a Master's or Doctoral degree in the field of constitutional history and law or race relations. Include a short curriculum vitae.</p>	<p>R650 per annum</p>	<p>The Bursary Secretary, South African Institute of Race Relations, 5 Long Street,</p>	

<p>East London Municipal Bursary</p>	<p>The bursaries are available for post matriculated students who wish to attend a university or a teachers' training college; <i>provided</i> that their parents are residents or ratepayers of East London. The bursary is renewable annually until the first Bachelor's Degree or Teacher's Diploma is obtained.</p>	<p>The bursary is valued up to R500 per annum R1 000.00 Cash allowance R1 000.00 Total value R2 000.00 P.A. One year, renewable subject to satisfactory progress</p>	<p>The Town Clerk, East London Municipal Bursary Scheme, P.O. Box 134, EAST LONDON, 5200</p>	<p>15 October</p>
<p>Ethel Eriksen Trust</p>	<p>Available to any South African citizen who holds a degree from a recognised University or any other institution of higher learning. There shall be no restriction in regard to the field of study.</p>	<p>Value and duration of the bursary shall be in the sole discretion of the Trustees</p>	<p>The Ernst and Ethel Eriksen Trust, P.O. Box 4685 JOHANNESBURG 2000</p>	<p>1 October (for study in S.A.) 1 March (for study outside S.A.)</p>
<p>Jaffe Family Foundation Bursary Scheme</p>	<p>Available to students between the ages 16 and 25 currently resident in the R.S.A. for at least 7 years.</p>	<p>To be determined by the Foundation</p>	<p>The Registrar</p>	<p>31 December</p>

<p>Cape Town Continuing Education General Mining/ Federale Mynbou Bursaries</p>	<p>Various scholarships are available for University Degree Courses General Mining bursaries are available for:</p>	<p>between R200 and R500 per annum Tuition and residence fees and a cash allowance of R600 per year.</p>	<p>The Secretary, Scholarship Committee, The Secretary of the Bursary Fund, Federale Mynbou/General Mining Group, P.O. Box 61820, MARSHALLTOWN, Transvaal 2107</p>	<p>18 November 31 August</p>
<p>DEWATA Bursary</p>	<p>(i) mining, mechanical, electrical, chemical, metallurgical and industrial engineering;</p>	<p>R3 000 per annum</p>	<p>JOHANNESBURG, 2000</p>	<p>31 January</p>
<p>De Smet Group Scholarship Fonds</p>	<p>(ii) geology (combinations of geology and any of the following: chemistry, geophysics, mathematics, mathematical statistics);</p>	<p>Cash grant and book allowance of R600 per annum. Renewable</p>	<p>The Group Secretary, De Smet Consolidated Mines P.O. Box 215, 196</p>	<p>31 July</p>
<p>De Smet Group Scholarship Fonds</p>	<p>(iii) personnel management (combinations of industrial psychology, psychology, anthropology, sociology, Xhosa and Sotho);</p>	<p>to be determined</p>	<p>196</p>	<p>31 December</p>
<p>De Smet Group Scholarship Fonds</p>	<p>(iv) finance (especially combinations of accounting, business economics, mathematics, statistics);</p>	<p>to be determined</p>	<p>5000</p>	<p>31 October</p>
<p>De Smet Group Scholarship Fonds</p>	<p>(v) pure BSc, with a view to a career in the microbiological leaching of minerals (combinations of chemistry and any of the following: microbiology, bacteriology, physics, metallurgy, mathematics.</p>	<p>to be determined</p>	<p>5000</p>	<p>31 October</p>
<p>Donald Morrison Memorial Award</p>	<p></p>	<p>R500 per annum</p>	<p>The Bursary Secretary, 2300 196</p>	<p>12 October</p>

<p>C.J. Fuchs Limited (Division of Barlows Manufacturing Company Limited)</p>	<p>The bursaries are available to matriculants; students who have successfully completed one or more years at University, or hold equivalent educational qualifications in the fields of Electrical Engineering (Light Current) Production Engineering Industrial Engineering Successful candidates must serve the Company after completion of the degree</p>	<p>Tuition fees and prescribed books R1 000,00 Cash allowance R1 000,00 Total value R2 000,00 p.a. One year, renewable subject to satisfactory progress</p>	<p>The Personnel Manager C.J. Fuchs Limited, P.O. Box 3990, ALRODE 1451</p>	<p>15 September</p>
<p>Grace Morkel Bursary</p>	<p>A bursary may be awarded annually to a deserving blind or partially sighted student, irrespective of race, religion or sex, to assist him/her to pursue tertiary education.</p>	<p>R100 per year</p>	<p>Applications, furnishing blind registration number, or accompanied by a certificate from a district surgeon testifying that the visual acuity of the applicant is such that he/she cannot read ordinary print, even with the aid of suitable glasses, should be submitted to the Director, South African National Council for the Blind, P.O. Box 26211, ARCADIA 0007</p>	<p>31 October</p>

<p>Homeland and former Homeland Government Bursaries</p>	<p>The Homeland governments have in the past granted financial assistance to deserving and promising students.</p> <p>(1) The Secretary for Education, Government of Kwa Zulu, Private Bag X01, ULUNDI, 3838.</p> <p>(2) The Secretary for Education, Government of Lebowa, Private Bag 4001, SESHEGO, 0742.</p> <p>(3) The Secretary for Education, Government of Gazankulu, Private Bag 573, GIYANI, 0862.</p> <p>(4) The Secretary for Education, Government of Qwa-Qwa, Private Bag 814, PHUDHADITJHABA, 9866.</p> <p>(5) The Secretary for Education, Government of Venda, Private Bag 2244, SIḐASA, 0970.</p> <p>(6) The Secretary for Education, Government of the Ciskei, Private Bag X509, ZWELITSHA, 5608.</p> <p>(7) The Secretary for Education, Government of Swazi, Private Bag X1001, LOUW'S CREEK, 1302.</p>	<p>No fixed value.</p>	<p>Applicants for financial assistance, bursaries and study loans should be forwarded to the Departments of Education of the Homeland Governments direct. The addresses of the Homeland Governments are provided hereunder for the convenience of interested students:</p>	<p>31 August</p>
<p>Marley Bursary</p>	<p>Available to second and third year and possibly Honours students who are majoring in Chemistry.</p>	<p>Tuition fees, residence fees or an amount of R500,00. R1 000,00 for books, transport and personal expenses</p>	<p>Company Secretary, Marley S.A. (Pty) Ltd. P.O. Box 3154 Johannesburg 2000</p>	<p>31 October</p>

<p>Metropolitan Homes Trust Bursary</p>	<p>Applications are considered annually for Metropolitan Homes Trust bursaries for male Bachelor degree students wishing to qualify for an administrative career in life assurance. Applicants must, therefore, be taking a suitable degree course (e.g. BCom, BAdmin, BA) with subjects generally appropriate to the life assurance industry. Successful applicants must sign a service contract for a period equal to the number of years for which the bursary was awarded. <i>Vacation work available.</i></p>	<p>R1 000 per year</p>	<p>The Manager, Personnel Administration, Metropolitan Homes Trust Life Ltd., P.O. Box 93, CAPE TOWN 8000</p>	<p>31 October</p>
<p>Johnnies Bursary Scheme (Category B)</p>	<p>Johnnies bursaries are available for first degree study at South African universities in BSc Engineering-Mining, Mechanical, Electrical, Chemical and Metallurgical, BSc with Geology or Inorganic chemistry as major. To sign a one year post graduate service agreement.</p>	<p>Registration, tuition and residence fees <i>plus</i> a cash allowance of R800 and an annual book allowance of R300.</p>	<p>The Secretary, Group Education Committee, Johannesburg Consolidated Investment Company, P.O. Box 590, JOHANNESBURG 2000.</p>	<p>31 July</p>

<p>Lions Club Bursaries and grants</p>	<p>The bursaries and grants offered by the <i>Lions Clubs</i> in several towns and cities in the Republic of South Africa are usually awarded on an annual basis to promising and deserving students.</p>	<p>The bursaries and grants vary depending upon the funds available, awards are made after objective assessment of both merit and need.</p>	<p>Applications and inquiries should be addressed to the District Secretary of the nearest Lions' Club.</p>	<p>31 August</p>
<p>Mining Corporation Ltd Geology Bursaries</p>	<p>The bursaries are offered to undergraduate and post-graduate geology students</p>	<p>The value of the bursaries vary depending upon University fees</p>	<p>The Head Department of Geology, University of Fort Hare</p>	<p>31 July</p>
<p>South African Co-operative Ltd — or Outspan Citrus Bursaries</p>	<p>Available only to male B Sc Agric Students who major in Horticultural Science. The bursaries are awarded annually subject to satisfactory academic progress. On completion of their studies, students must undertake to accept employment with the SA Co-operative Citrus Exchange Ltd.</p>	<p>The value of the bursaries is R1 000 per annum each</p>	<p>SA Co-operative Citrus Exchange Ltd, P.O. Box 1158, PRETORIA 0001</p>	<p>31 December</p>
			<p>Company Secretary, Matay S.A. (Pty) Ltd, P.O. Box 3154 Johannesburg 2000</p>	<p>31 October</p>
<p>Rotary Club Bursaries and grants</p>	<p>The bursaries and grants offered by the <i>Rotary Clubs</i> in several towns and cities in the Republic of South Africa are usually awarded on an annual basis to promising and deserving students for approved courses of study.</p>	<p>The value of the bursaries and grants vary depending upon the funds available; awards are made by the Rotary Clubs on objective assessment of criteria such as merit and need.</p>	<p>Applications and inquiries should be addressed to the District President of the nearest Rotary Club</p>	<p>31 August</p>

MSD Scholarships	For the last three years of study towards the degree in Agronomy, Medicine, Pharmacy or Veterinary Science.	The amount is sufficient to cover tuition fees, residence fees and books. The maximum Scholarship award is R1 200	The Chairman, M S G Scholarship Selection Committee, Private Bag 3, HALFWAY HOUSE, Transvaal 1685	31 August
MSD Scholarships	The Scholarships are available for study towards degrees in Commerce, Administration, Accounting, Economics, Business Economics and Computer Science.	Each Scholarship will cover tuition fees, residential fees and books. The maximum scholarship is R2 000 per annum.	The Chairman, MSD Scholarship Selection Committee, Private Bag 3, Halfway House, TRANSVAAL, 1685	31 August
Mary Morkel Bursary	The Mary Morkel bursary is offered to blind, partially sighted or otherwise disabled students of any race in need of financial assistance for study at any university. The bursary is offered for one year and is renewable on application depending on satisfactory progress.	R500,00 per annum	The Registrar, University of Natal, King George V Avenue, DURBAN. 4001	31 October
Industrial Development Co-operation Bursaries	IDC Bursaries are available in the following disciplines; Engineering, BSc, and B.Comm.	The amount is sufficient to cover tuition fees, residence fees and books to the value R300	The Secretary, IDC Bursary Committee, IDC of SA Limited, P.O. Box 784055, SANDTON 2146.	31 August

<p>Papenfus/Goldsmith Trusts Bursary Fund</p>	<p>Available to students from second year onwards in the fields of Social Sciences or Law at any S A University, based upon academic merit and financial need. Renewable each year on application.</p>	<p>A number of bursaries at R400 each.</p>	<p>The Trust Administrator, Northern Trust Company Ltd., P.O. Box 61167, MARSHALLTOWN, 2017</p>	<p>31 December</p>
<p>S A Breweries Bursary</p>	<p>Available for study in BSc Biochemistry, Organic Chemistry, Chemical, Mechanical or Electrical Eng. B Bus: Science, BCom (Economics). 1st, 2nd, 3rd and Hons. students.</p>	<p>Tuition, residence and book costs. (Bursars expected to work for S A B for a period equivalent to period of study)</p>	<p>Training and Development Manager, Beer Division, P.O. Box 1783, JOHANNESBURG 2000</p>	<p>1 June</p>
<p>Transkei Tea Management</p>	<p>Available to Transkeian students studying for bachelors degree in Agricultural Management, Economics, Engineering or Agronomy and Horticultural Science. Bursars bound to work for Company in Transkei for equivalent period of bursary.</p>	<p>All Costs</p>	<p>Mr C Dodson, c/o Transkei Tea Management (Pty) Ltd., P.O. Box 931, UMTATA TRANSKEI</p>	<p>31 August</p>
<p>Southern Life Scholarships</p>	<p>The Scholarships are available to deserving young students who intend following an actuarial career. The approved courses of study include a B Sc mathematics and statistics, and a Bachelor of Business Science (actuarial)</p>	<p>Each scholarship will cover tuition, hostel fees — and an allowance of R200,00 for incidental expenses</p>	<p>The Personnel Officer, Southern Life Association, Great Westerford, RONDEBOSCH 7700</p>	<p>30 September</p>

<p>Total Bursaries</p>	<p>Total bursaries are available for study towards degrees in Agriculture — B Sc Agric — with Agricultural Economics as one of the major subjects</p>	<p>R1 000 per annum</p>	<p>The South African Agricultural Union, P.O. Box 1508, PRETORIA 0001</p>	<p>30 June</p>
<p>Tsumeb Corporation Ltd Bursary Plan</p>	<p>Available for students studying a course leading towards a BSc degree at any S A University in Mining — Metallurgical — Chemical, Electrical or Mechanical Engineering, Geology or Chemistry, BCom degrees in Accounting/ Computer Science and Medical degrees</p>	<p>Full tuition, registration and hostel fees. Book allowance: R300 per annum. R50 pocket money per month, February to November inclusive. One return air ticket between Tsumeb and University.</p>	<p>The Superintendent, Personnel and Training, Tsumeb Corporation Ltd., P.O. Box 40, Tsumeb, SWA/NAMIBIA 9000</p>	<p>31 August</p>
<p>The Ernest Oppenheimer Memorial Trust Bursary</p>	<p>The Ernest Oppenheimer Memorial Trust bursaries are offered for undergraduate studies at any South African university. The bursaries are available for all faculties of study and open to all races. The bursary is available initially for one year only and is renewable on application — depending on satisfactory progress. No service obligation.</p>	<p>No fixed amount. The value depends on the Trustees' assessment of the financial needs of the applicant.</p>	<p>The Secretary, The Ernest Oppenheimer Memorial Trust, P.O. Box 61587, MARSHALLTOWN. 2107</p>	<p>30 September</p>

<p>Port Elizabeth Municipal Bursary</p>	<p>The City Council may grant bursaries to persons resident in the Port Elizabeth municipal area to attend university in respect of the study in disciplines in which it is necessary and desirable for the Council to have qualified personnel on its staff, but primarily in Engineering, Town Planning and Architectural, Medical, Administrative and Financial (including Computer Science) fields.</p>	<p>The amount of the bursary shall be at the discretion of the City Council, but shall not exceed R1 500 per annum.</p>	<p>The Personnel Manager, Municipality of Port Elizabeth, P.O. Box 116, PORT ELIZABETH 6000</p>	<p>30 September</p>
<p>Rand Mines Bursary Scheme</p>	<p>Acceptable fields of study: BSc (Engineering) BSc (Mining Geology) BSc (Computer Science) BCom (leading to CA) Personnel Management</p>	<p>Tuition and residence fees, and an annual allowance of R1 000.</p>	<p>The Personnel Manager, Rand Mines (Mining & Services) Ltd., P.O. Box 62370, Johannesburg</p>	<p>31 July</p>

<p>Rhodes Scholarships</p>	<p>Rhodes Scholarships are tenable at the University of Oxford for two or three years.</p> <p>Applicants for Rhodes Scholarships must be South African citizens or British subjects, or subjects of Botswana, Lesotho, or Swaziland. They must be unmarried and must be at least nineteen and not more than 25 years of age on 1 October 1979. Applicants must have completed at least 21 months study at a university in South Africa or an approved university anywhere in the world, or be possessed of other qualifications acceptable to the University of Oxford. Women are now eligible for Rhodes Scholarships.</p>	<p>£3 600 sterling per year</p>	<p>P.N. Sauerman, Esq., Rhodes Scholarship Selection Committee, P.O. Box 3132, CAPE TOWN, 8000 or The General Secretary, Rhodes Scholarships in South Africa, P.O. Box 41468, CRAIGHALL, Transvaal. 2024</p>	<p>1 September</p>
<p>Samancor Bursary Loan Scheme</p>	<p>Samancor Bursaries are available to BSc pre-Engineering candidates at the University of Fort Hare</p>	<p>Payment of registration, tuition and residence fees; including payment of a sum of R250 per annum to the bursar in respect of books and pocket-money</p>	<p>Applications must be made on the official application form obtainable from: Mr. Owen Damoyi, Industrial Relations Officer, Samancor Management Services (Pty) Limited, P.O. Box 8186, JOHANNESBURG, 2000</p>	<p>15 November</p>
<p>Sam Cohen (Windhoek) Scholarships</p>	<p>Available to all South Africans and South West Africans for study at any Israeli Institution of higher learning.</p>	<p>Scholarships will cover tuition fees, books, reasonable living expenses and return airfare.</p>	<p>S.A. Zionist Federation Bursaries Committee, P.O. Box 18, JOHANNESBURG 2000</p>	<p>12 October</p>

<p>Sasol Marketing Bursaries (Teachers' Bursary Scheme)</p>	<p>The Sasol Marketing Scholarships are available for any first degree of post-graduate course at South African universities leading to the qualification of the applicant as a teacher.</p>	<p>Varies</p>	<p>The Secretary, African Teachers' Association of South Africa, 1709 Makhalima Street, MOROKA, 1860</p>	<p>15 October</p>
<p>School for the Blind Bursary</p>	<p>Grants are available for post-graduate research concerning any aspects of blindness</p>	<p>Maximum of R500.</p>	<p>The Principal, School for the Blind, 20 Adderley Street, WORCESTER, 6850</p>	<p>15 October</p>
<p>Rand Mines Bursary Scheme</p>	<p></p>	<p>Tuition and maintenance fees and an annual allowance of R200.</p>	<p>The Personnel Manager, Note: A short summary of the proposed course of study and a recommendation from the candidate's supervisor must be submitted with the application.</p>	<p>30 July</p>
<p>SEIFSA Post-Graduate Overseas Research Scholarship</p>	<p>The Scholarship is available for a one or two year post-graduate Master or Doctorate degree preferably in Metal and Engineering Industries. The scholarship is tenable at a university or institution overseas approved by the Federation.</p>	<p>R14 000 per annum plus approved transport allowance</p>	<p>The Careers and Educational Officer, SEIFSA, P.O. Box 1338, JOHANNESBURG 2000</p>	<p>31 March</p>

<p>Shell Scholarship Scheme for post-graduate study.</p>	<p>Shell Scholarships are available for first degree or post-graduate study at South African universities in Accountancy Behavioural Sciences, Business Science, Computing, Engineering (Mechanical and Chemical) Economics, Mathematics, Natural Sciences for men and women who are nationals of countries in Southern Africa (excluding Zimbabwe and Mozambique).</p>	<p>Scholarships will cover all fees plus a living allowance. The value of the scholarship depends upon the requirements of an individual student.</p>	<p>The Secretary, Shell Scholarship Scheme, Shell South Africa (Pty) Limited, P.O. Box 2231, CAPE TOWN. 8000</p>	<p>20 August 1984</p>
<p>The South African Institute of Race Relations bursaries</p>	<p>The South African Institute of Race Relations administers funds from various sources. The bursaries are available for all first degree courses and post-graduate teaching courses.</p>	<p>The bursaries cover all fees and a book allowance — the value varies.</p>	<p>The Secretary, Bursary Department, South African Institute of Race Relations, P.O. Box 97, JOHANNESBURG, 2000</p>	<p>15 November</p>
<p>The St. Leger Scholarship Trust</p>	<p>Available for study at South African universities to bilingual S.A. Nationals of the Christian faith, who have matriculated in the Cape Province, are under 25 years of age, unmarried and reflect merit in literature and the classics.</p>	<p>Variable and of no fixed amount.</p>	<p>The Trustees, St. Leger Scholarship Trust, P.O. Box 206, CAPE TOWN. 8000</p>	<p>15 September</p>

SEIFSA Post-Graduate Bursaries	Research/study in technical or scientific fields which relate to metal and engineering industries or MBA, MBL or equivalent degree. The applicant must be employed within the metal and engineering industries	R3 600 per annum for full-time students and pro-rata for part-time students. Renewable each year.	The Careers and Education Officer, SEIFSA, P.O. Box 1338, JOHANNESBURG 2000	31 August
SEIFSA Bursaries	2nd year B Sc Pre-Engineering.	R3 600	The Careers and Educational Officer, SEIFSA, P.O. Box 1338, JOHANNESBURG 2000	31 August
The Winifred Wilson Bursary Fund	To foster the study and preservation of the English Language and Literature in the Republic of South Africa. Available to South Africans who have completed at least one year's full-time study in English at a university.	Varies	The Trustees, The Winifred Wilson Bursary Fund, P.O. Box 142, CAPE TOWN 8000 <i>Note: Applications should be made on the prescribed application form. Each application shall be supported by a report made by a Professor of English at the university at which the applicant is studying.</i>	5 December

<p>Toni Saphra Bursary for post-graduate study.</p>	<p>The Union of Jewish Women of South Africa, as a tribute to its founder, the late Mrs Toni Saphra, has established a post-graduate bursary for advanced study, tenable at any university in South Africa, by a woman student, irrespective of race, creed or colour, who already holds a suitable degree or professional qualification, and whose proposed course of study will fit her more adequately to render some form of <i>social service</i> to the South African community.</p>	<p>The maximum amount of the bursary is R2 500 per annum — the actual amount of the award to be determined by the Selection Committee according to the requirements of the successful applicant. The bursary is renewable year by year for the period of the approved course of study, subject to satisfactory reports from the university concerned upon the progress and conduct of the holder.</p>	<p>Application forms are obtainable from the Bursary Officer, Toni Saphra Bursary, Union of Jewish Women of South Africa, P.O. Box 3622, Johannesburg, 2000. Further enquiries to be addressed to the Bursary Officer — whose address is indicated above.</p>	<p>1 December</p>
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BRITAIN JOURNAL YEARBOOK

LIBRARY REGULATIONS

Definitions

1. In these Regulations, unless the context indicates otherwise, the word:
 - (a) "book", means any publication in codex form, including pamphlets but excluding periodicals;
 - (b) "borrower", means a member of staff, a student or an external borrower, who is registered by the University Librarian as a person who may borrow publications from the Library subject to the provisions of these Regulations;
 - (c) "desk", means any of the issue desks in the Library unless indicated otherwise;
 - (d) "external borrower", means a borrower who is not a student nor a member of staff, but who is registered by the University Librarian as a borrower in terms of these Regulations;
 - (e) "Library", means the Library of the University of Fort Hare and includes its branches;
 - (f) "publication", means any book, periodical, document, print pamphlet or similar article;
 - (g) "staff", means the academic, the administrative and the library staff of the University of Fort Hare;
 - (h) "student", means a registered student of the University of Fort Hare duly registered as a borrower by the University Librarian;
 - (i) "University Librarian", means the University Librarian of the University of Fort Hare or his duly authorised representative;
 - (j) "user", means any person admitted to the use of publications in the Library.
2.
 - (a) Any user or borrower who acts contrary to the provisions of these Regulations may be suspended from the use and access to the Library by the University Librarian of a period of not more than five days. If the University Librarian is of the opinion that the breach of the Regulation is of such a serious nature as to warrant a suspension of more than five days, he shall immediately report such breach to the Rector of the University by letter, and he shall only re-admit such user or borrower to the Library on such date as the Rector, by written notice to the University Librarian, may decide.
 - (b) Any user or borrower who, in connection with the use or the borrowing of books from the Library, commits an offence, whether under Common Law or Statute shall be prosecuted according to the Law.

Use of the Library

3. Students, members of staff and external borrowers are admitted to the use of the Library and may borrow publications subject to the provisions of these Regulations: Provided that the University Librarian may, in his discretion, admit other persons to the use of the Library.
4. No user shall introduce into the Library any overcoat or briefcase, handbag or any such receptacle, but shall leave them in the appointed place, indicated by a notice.

Books on Reserve

5.
 - (a) Books marked "IN THE LIBRARY ONLY" shall not be removed from the Library or lent to anyone, but shall be consulted in the Library;
 - (b) (i) Books kept in the "Books on Reserve Section" of the Library shall be issued to students against their signature and their Student Registration

Card for the period of one hour and such books shall be consulted in the Library only. Such books shall be returned by the user at the end of such period and may be issued for a further period: Provided that there is no demand for the book at the time;

- (b) (ii) If such book is not returned at the end of the period for which it has been issued the student is liable to a fine of 5 cents in respect of every day or part thereof the book is overdue: Provided that when such fine reaches a total of 50 cents the student incurs the additional penalty of suspension from the use of the Library, such suspension to continue for a period of five days after the fine has been paid;
 - (b) (iii) Books placed on permanent reserve are identified in the Author's Catalogue by a red tabulator. Of books placed on Short Term Reservation a record is kept at the Reserve Desk.
6. No user, when in the Library, shall raise his voice above a whisper or create any noise or disturbance or smoke, drink or eat, or carry on any conversation in the public spaces.
7. (a) Ten minutes before each closing time of a Library session a bell shall ring to indicate that users shall prepare to leave the Library.
- (b) Five minutes before each closing time a bell shall ring to indicate that users shall leave the Library.
- (c) Any user who has not left the Library at such closing time commits a breach of these Regulations.
8. No user who has removed a book or periodical from the shelves for perusal in the Library shall replace such book or periodical on the shelves, but shall leave it on the table where it has been used.

Borrower's Pockets

9. (a) Students who wish to borrow publications from the Library shall, at the beginning of each academic year, after they have been registered as students, register as borrowers at the main desk.
- (b) Undergraduate students and external borrowers shall be entitled to five borrower's pockets each.
- (c) Post graduate students shall be entitled to six borrower's pockets each.
- (d) Each borrower's pocket entitles the borrower in whose name it has been made out to borrow one book at a time for a period not exceeding two weeks.
- (e) The loan of a publication may be renewed for a further period at the discretion of the University Librarian.
- (f) No borrower's pocket shall be lent to, or borrowed from anyone or in any way be used by anyone to whose name it has not been made out.
- (g) Should any student or external borrower lose any borrower's pocket made out to his name, the University Librarian may issue a duplicate thereof upon payment by such student or external borrower of the sum of 25 cents: Provided that such issue cancels the lost pocket and any student using or attempting to use such cancelled pocket commits a breach of these Regulations: Provided further that no person shall be thereby relieved of any liability which may be or may have been incurred by reason of the use of the lost pocket: Provided further that anyone borrowing or attempting to borrow a book on any borrower's pocket not made out in his name, commits a breach of these Regulations.

External Borrowers

10. (a) Persons other than members of staff, who are not students, may be admitted by the University Librarian, in his discretion, as external borrowers and shall than be registered as such.
- (b) A book shall only be lent to an external borrower if such book at the time is not in regular demand.

Borrowing of books by members of staff

11. Members of staff may borrow publications from the Library subject to the provisions of these Regulations, on the following conditions:
 - (a) That such publication be returned to the Library within a reasonable time after it has been recalled by the University Librarian: Provided that the member of staff has had the publication for a period of at least 14 days.
 - (b) The provisions of this Regulation shall not be prejudicial to the provisions of Regulations 12 to 18.

Borrowers in general

12. The University Librarian may recall any publication borrowed from the Library at any time for purposes of internal Library organisation.
13. No borrower shall lend any publication borrowed from the Library to anyone.
14. A borrower shall be held liable for any loss or damage in respect of any publication issued to him in his name.
15. Any borrower may request that a publication that is out on loan be reserved for him and he shall be notified when such publication becomes available.
16. No borrower shall remove any publication from the Library until its issue has been duly recorded by the University Librarian.
17. No issue in respect of the loan of a publication shall be made during the period commencing ten minutes before each closing time of a library session.
18. (a) All publications lent to borrowers shall be returned before the end of each academic semester.
- (b) Any borrower who fails to return any publication borrowed from the Library at the end of an academic semester is liable to a fine of R1 per publication not returned, irrespective of whether the publication is subsequently returned or not.
- (c) If a borrower does not return such publication after he has become liable to the fine of R1, he shall, in addition, be liable for the replacement cost of the publication.
- (d) Any such borrower shall, as long as he has not complied with the provisions of this Regulation after the fine has become due, be suspended from all use of the Library until he has done so.
19. No borrower shall write or make marks in any publication borrowed from the Library or deface it in any way and anyone returning to the Library a publication that has been damaged writing or otherwise, shall be held responsible for such damage, unless it has been noted on the relative borrower's card at the time of issue.

Overdue publications

20. A publication borrowed from the Library is overdue after the borrowing period as prescribed by these Regulations has expired or if a reasonable period has lapsed after the book has been recalled by the University Librarian.
21. The fine for an overdue publication is 5 cents per day or part thereof, subject to a maximum of R2 per volume. After such maximum is reached the provisions of

Regulation 18 (d) apply.

Periodicals

22. (a) Periodicals shall not be lent to borrowers: Provided that not more than five volumes of bound periodicals may be lent at a time to members of staff or post-graduate students for a period not exceeding two weeks.
- (b) Current issues of periodicals shall be displayed in the periodical reading room until they are replaced by a subsequent issue.
- (c) Users shall not remove or borrow periodicals from the periodical reading room and users shall exclusively use this reading room for the perusal of periodicals.
- (d) No user has access to the periodical stacks. The user shall apply for any periodical at the periodical desk for perusal in the periodical reading room and such periodical shall not be removed from the periodical reading room except in cases where these Regulations provide otherwise. The University Librarian, however, may in his discretion permit members of staff or postgraduate students access to the periodical stacks.
- (e) The Periodical Reading Room shall only be used for the perusal of Periodicals.

Inter-Library Loans

23. (a) Inter-Library Loan services are available for staff and post-graduate students.
- (b) Any user who fails to return on or before the due date any publication borrowed on the Inter-Library Loan Service, shall be suspended from all borrowing privileges until such time as such due publication has been returned.
- (c) If the use of any publication or other material is in any way restricted by these Regulations, such restriction shall be made a condition of the loan to the library which borrows such publication from the Library on an Inter-Library Loan and vice versa.
- (d) If application has been made for a periodical article under the Inter-Library Loan system and the lending library is supplying the Library with a photocopy of the article, the applicant shall pay for the cost of such photocopy and he shall become its owner.

Special Material

24. Manuscripts, microfilms, microcards and microfiches are only available for use in the Library and shall not be removed from the Library.

Howard Pim Library of Africana

25. Publications in the Howard Pim Library of Africana shall not be lent. Such publications shall not be removed from the Howard Pim Library of Africana but shall be perused in that library.

Only Staff members, Post-graduate students and Accredited Visitors shall have access to the Howard Pim Library of Africana.

LIBRARY HOURS

During Term Time	During Vacation
(i.e. on commencement of Lectures to end of examinations Period)	
WEEKDAYS : 08h00 – 18h00 19h00 – 22h30	WEEKDAYS : 08h00 – 12h45 14h00 – 16h00
SATURDAYS: 08h00 – 11h00	SATURDAYS: 08h00 – 11h00

Faculty of Theology

Degrees and Diplomas

Th.1. (1) The following degrees are conferred in the Faculty:

Bachelor of Theology.....	B Theol
Bachelor of Theology (Honours).....	B Theol (Hons)
Master of Theology.....	M Theol
Doctor of Theology.....	D Theol

(2) The following diploma is granted in the Faculty:
Diploma in Theology.

The following faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules. Whenever a course is taken that is offered by another Faculty, the rules of that Faculty applicable to the course shall apply.

The Degree of Bachelor of Theology

Th.2. (1) The curriculum shall extend over three or four years of full-time study and includes the following courses:

- (a) Old and New Testament I, II and III (compulsory major subject)
- (b) Systematic Theology I, II and III (second major subject)
and
Ecclesiastical History and Missiology I and II
or
- (c) Ecclesiastical History and Missiology I, II and III (second major subject)
and
Systematic Theology I and II
- (d) Pastoral Theology I
- (e) Religious Studies I
or Pastoral Theology II
- (f) Greek IB
- (g) Hebrew I

(2) In addition, students must complete Greek IA, unless exempted therefrom by the Head of the Department of Classical Languages.

Th.3. A student shall not take more than five courses in his first or second year of study. In his final year he will be allowed to take more than three courses only if the additional one is a course in which he previously failed.

Th.4. A student shall be admitted to the second year of study only if he has successfully completed the first year courses of his two major subjects and one other course.

Th.5. A student who has previous theological training which has been approved by the Senate may be exempted from up to one half of the BTheol course provided he writes an entry examination in which he obtains not less than 50% in each course.

Examination

- Th.6. (1) In order to complete a course, a student must comply with the requirements laid down in the general rules for a degree of Bachelor and obtain a sub-minimum of at least 35% in each paper.
- (2) The year mark and the examination shall be combined in equal proportions.

Supplementary Examinations

- Th.7. (1) A student in his first and second year of study may be admitted to a supplementary examination in a course in which he has failed, provided he has obtained:
- (a) a year mark of at least 50%
 - (b) at least 40% of the marks in the examination; and
 - (c) a pass mark in at least two other courses at the same examination.
- (2) A student in his third year of study may be admitted to a supplementary examination:
- (a) in the final course of a major subject; provided he has obtained:
 - (i) a year mark of at least 50%
 - (ii) at least 40% of the marks in the examination; and has completed the final course of his other major subject;
 - (b) in one other course, provided it is the last remaining requirement for his degree.
- (3) No first, second or third year student will be granted a supplementary examination if he fails a sub-minimum in any of his examination papers in a particular course.

Distinction

- Th.8. A student shall be awarded a pass with distinction in a subject if he obtained at least 75% of the marks in the examination in the third course in that subject.

The Degree of Bachelor of Theology (Honours)*Admission*

- Th.9. (1) A person shall not be admitted as a candidate for the degree of Bachelor of Theology (Honours) unless he:
- (a) has been admitted to the degree of Bachelor of Theology or to the status of Bachelor of Theology at the University; or
 - (b) has been admitted to the degree of Bachelor of Arts at the University with Biblical Studies and Systematic Theology as his major subjects; or
 - (c) has been admitted to the status of Bachelor of Arts at the University by virtue of possession of the degree of Bachelor of Arts of another university with Biblical Studies and Systematic Theology as his major subjects; or
 - (d) qualifies in terms of paragraph G.17(c) of the general rules for the honours degree of Bachelor.
 - (e) has been admitted to a degree of bachelor at the University and has obtained 60% in the final examination of the relevant major course unless otherwise decided by the relevant Faculty, at the recommendation of the relevant department.
- (2) A person holding such a degree of Bachelor of Arts shall not be admitted as candidate for the degree unless:
- (a) he has complied with the language requirements for the degree of Bachelor of Theology;

- (b) he has obtained credit for Ecclesiastical History and Missiology I, Pastoral Theology I, and Religious Studies I.
- (c) he successfully completes an ancillary examination in the prerequisites for his major direction of study, should the head of that department require it.

Duration of Course

Th.10. The honours course shall extend over not less than one academic year of full-time study, or over not less than two academic years of part-time study.

The Honours Course

- Th.11. (1) The degree may be conferred in one of the following major subjects:
- (i) Old Testament
 - (ii) New Testament
 - (iii) Systematic Theology
 - (iv) Ecclesiastical History and Missiology
- (2) In addition to the major subject selected for honours, a candidate shall complete the following courses offered in the Faculty of Arts, unless exempted on the grounds of courses previously completed:
- (i) Hebr II, for the subject of Old Testament studies;
 - (ii) Greek II, for the subject of New Testament studies.
- (3) A candidate holding the degree of Bachelor of Arts with Biblical Studies and Systematic Theology as his major subjects must take Ecclesiastical History and Missiology II during the honours course.

Examination

- Th.12. (1) The examination shall comprise:
- (a) five or six papers of three hours each in the subject selected for honours in terms of paragraph Th.10.(1);
 - (2) In order to complete the course a student must obtain 50% in the examination and a sub-minimum of at least 40% in each paper.
 - (3) In order to complete BTheol (Hons) with emphasis on New Testament, a student must obtain:
 - (a) a year mark of at least 40%;
 - (b) at least 50% in the year mark and the examination combined, the proportion in which the two are combined to be 40:60 (year mark : examination).

Th.13. The Senate may require a student to present himself for all the papers at one and the same examination, or may require some papers to be written at the end of the first academic year and the rest at the end of the second academic year.

Distinction

Th.14. The degree shall be conferred with distinction on a candidate who has obtained an average of at least 75% of the marks for any five papers.

The Degree of Master of Theology

For details about qualification for registration, duration of course and dissertation see the Statute and the General Rules for the degree of Master.

Subject requirements

- Th.15 (1) The degree may be conferred in the subject taken by the candidate for his honours degree.
- (2) In addition to the subject selected a candidate shall have a reading knowledge of German.

Examination

- Th.16. A candidate shall either:
- (a) submit a dissertation on an approved topic; or
- (b) present himself for an examination comprising three written papers of three hours each and shall in addition submit a dissertation of limited scope which shall be marked as a fourth paper.

Distinction

- Th.17. The degree shall be conferred with distinction on a candidate who has obtained an aggregate of at least 75% of the marks for the examination and the dissertation.

The Degree of Doctor of Theology

Consult the Statute and the General Rules for the Degree of Doctor.

Diploma in Theology**Admission**

- Th.18. A person shall not be registered as a student unless:
- (a) he has obtained the School-leaving Certificate (not lower than S2) of the Joint Matriculation Board or a certificate recognised by the Senate as equivalent thereto, or
- (b) he has satisfied the Senate that by virtue of his maturity he is competent to attend the course.

Duration of Curriculum

- Th.19. The curriculum shall extend over three or four years of full-time study.

Composition of Curriculum

- Th.20. (1) The curriculum shall comprise the following courses:
- (a) Either Biblical Studies I, II and III or Old and New Testament I, II and III.
- (b) Systematic Theology I and II.
- (c) Ecclesiastical History and Missiology I and II.
- (d) Either Systematic Theology III or Ecclesiastical History and Missiology III.
- (e) Religious Studies I or Pastoral Theology I.
- (f) Any other course approved by the Faculty.
- (2) A student may not take more than five courses in any academic year.

Syllabi

CLASSICAL HEBREW

Course I

Paper 1: Language

- (a) Principles of Hebrew grammar (script, phonetics, accents, accidence of pronoun, strong noun, irregular nouns, particles, numerals up to 100 and strong verbs, with verbal suffixes).
- (b) Simple translations from and into Hebrew.

Paper 2: Background

(Students who have Biblical Studies I to their credit are exempted from Paper 2.)

- (a) A survey of Biblical Archaeology.
- (b) Israelite history and its Near Eastern background from the beginning to the destruction of the First Temple.
- (c) Survey of Biblical Geography.

Course II

Paper 1: Language and Text

- (a) Principles of Hebrew grammar (weak verbs and nouns derived from them, comparison, particles) with translations from and into Hebrew.
- (b) Principles of Hebrew syntax, with relevant exercises.
- (c) Philological study of six chapters from the historical, six chapters from the prophetic and six chapters from the wisdom literature of the O.T. with exercises in textual criticism.

Paper 2: Background

(Students who have Biblical Studies II to their credit are exempted from Paper 2.)

- (a) The nature of Hebrew language and thought.
- (b) The history of the Jews from the destruction of the First Temple to the destruction of the Second Temple.

Course III

Paper 1: Language

- (a) Characteristics of the Hebrew language and an introduction to Semitic linguistics.
- (b) A study of Qumran documents.

Paper 2: Aramaic I or Ugaritic I or Coptic I or Accadian I or Modern Hebrew I

- (a) Introductory grammar and outline of the literature of one of the languages above.
- (b) Translation from seen and unseen texts into English or Afrikaans. (Candidates who wish to take but one of the ancillary languages listed above on a one year basis write only Paper 2.)

GREEK

See Faculty of Arts

OLD AND NEW TESTAMENT

For B. Theol students

Course I**Paper 1: Old Testament**

- (a) General introduction to the Old Testament (Canon and Text).
- (b) The task, history and method of Old Testament introduction.
- (c) Special introduction to the Old Testament literature Part I (Pentateuch and the Former Prophets).

Paper 2: New Testament

- (a) General introduction to the study of the New Testament.
- (b) Introduction to the New Testament literature (1).
- (c) New Testament Theology (1).
- (d) Introduction to the exegesis of the New Testament.

Course II**Paper 1: Old Testament**

- (a) The prophetic movement.
- (b) Special introduction to the Old Testament literature Part II (The pre-exilic and post-exilic prophets).
- (c) Introduction to forms and types of the Old Testament literature.
- (d) Old Testament Theology (Part I).

Paper 2: New Testament

- (a) Survey of the historical and cultural background of the New Testament.
- (b) Introduction to the New Testament literature (2).
- (c) New Testament Theology (2).
- (d) New Testament exegesis.
- (e) Textual criticism.

Course III**Paper 1: Old Testament**

- (a) The post-exilic period: Spirit, Apocalyptic.
- (b) Introduction to the Old Testament literature Part III.
- (c) Old Testament Theology Part II.
- (d) The history of the religion of Israel.

Paper 2: New Testament

- (a) A critical survey of the history of New Testament study.
- (b) Introduction to the New Testament literature (3).
- (c) New Testament Theology (3).

Paper 3: Exposition of the Scriptures**Section A: Old Testament**

- (a) Principles of Old Testament hermeneutics.
- (b) Examples to show the principles of textual criticism taken from the Biblia Hebraica.
- (c) Exercises in the exegesis of the Old Testament using the Hebrew text.

Section B: New Testament

- (a) New Testament exegesis.
- (b) New Testament hermeneutics : history and principles.
- (c) The Canon of the New Testament.

SYSTEMATIC THEOLOGY**Course I****Introductory**

1. General introduction to the study of theology:
 - (a) Theology: its relevance, position, necessity and task, sources, nature, norm. The theologian's approach to theological work.
 - (b) Theology: its relation to philosophy, science, history, language.
2. Introduction to the basic Christian doctrines following the pattern of the Apostles' Creed.
3. Introduction to Christian ethics.

The Doctrine of Revelation

The concept of revelation; revelation as the Word of God; general revelation; knowledge and certainty; Holy Scripture.

Course II**Paper 1: The Doctrine of God**

1. The doctrine of the Trinity.
2. The reality and perfections of the living God; Knowledge of God.
3. The foundation of theological ethics; the command and claim of God.

Paper 2: The doctrine of man and salvation

1. Man in Creation.
2. The person and work of Jesus Christ.
3. Ethics of human relationships.

Course III**Paper 1: Pneumatology and Ecclesiology**

1. The person and work of the Holy Spirit; faith and regeneration.
2. The new life in Christ; sanctification and discipleship.
3. The corporate life of the Christian; the nature, worship, ministry, and mission of the Church.

Paper 2: Eschatology

1. The eschatological perspective and Christian hope; varieties of interpretation.
2. The kingdom of God as the meaning and goal of history; cosmic and individual destinies.
3. The coming of Jesus Christ and the last things.

Paper 3: Modern trends in Theology

A study of selected modern theologians or contemporary theologies.

ECCLIASTICAL HISTORY AND MISSIOLOGY

Course I

Paper 1

The history of the Church during the first six centuries: Important movements, leaders and theological developments; the expansion of the Church; Councils and Creeds.

Paper 2

The history of the Church from 600 to 1500: Important movements and leaders; the expansion of the Church; its influence in Western society.

Course II

Paper 1

The history of the Church from 1500 to 1700: The Reformation in the Western Church, theological and sociological causes and results, leading reformers; the radical reformation; the Catholic revival; Church and State.

Paper 2

The history of the Church from 1700 to the present: Ecclesiastical and theological developments and deviations; the rise of world missions; colonialism; the "post-Constantinian" period.

Course III

Paper 1

The history of the Church in this century: Theological developments; the ecumenical movement; liberation theology and contextualization; the crisis in the theology of mission.

Paper 2

The history of the Church in Africa: Ecclesiastical and theological developments.

Paper 3

The history of the Church in Southern Africa: Ecclesiastical and theological developments.

PASTORAL THEOLOGY I

(One paper)

- (A) Basis and aim of the practice of the New Testament Church with regard to: Homiletics, Catechetics, Liturgics, Poimenics, Cybernetics and Diaconics.
- (B) Practical exercises in Homiletics and Catechetics.

PASTORAL THEOLOGY II

(One paper)

- (A) History and significance of the discipline of Pastoral Theology.
- (B) Pastoral Psychology.
- (C) Practical exercises in Homiletics and Catechetics.

RELIGIOUS STUDIES I

(One paper)

1. The phenomenon of religion. Towards a definition.
2. An introductory study of the history and main principles of Islam, Hinduism, Buddhism, Judaism, Gnosticism, African traditional religion.
3. Syncretism, acculturation and religious conversion.
4. The Christian faith and the religious nature of man.

B. THEOL (HONS)**I: B.Theol (Hons) with main emphasis on Old Testament****Paper A.**

- (a) A survey of Near Eastern archaeology and history, significant to life and institutions of Ancient Israel.
- (b) A study of the inter-Testamental period and its cultural, literary and ideological background.

Paper B.

Exegetical study (including text-critical, grammatico-historical and theological data) of approximately fifteen prescribed chapters from various parts of the Old Testament (using the Hebrew text).

Paper C.

A historical and critical study of the leading schools of Old Testament interpretation.

Paper D.

Theology of the Old Testament with particular reference to God, Man, the Sacrificial System, the Messianic Hope.

Paper E.

Old Testament — New Testament Interrelationship:

- (a) The significance of the Old Testament for the understanding of the event of Christ in the New Testament.
- (b) The differences between the concepts of the Old Testament Canon in Synagogue and Church.
- (c) The nature of Paul's theological criticism of the Old Testament.

II: B.Theol (Hons) with main emphasis on New Testament**Paper A.**

- (a) The cultural and religious environment of New Testament times.
- (b) Survey of the Inter-Testamental period.

Paper B.

Exegetical study (including text-critical, grammatico-historical and theological data) of approximately twenty prescribed chapters from various parts of the New Testament (using the Greek text).

Paper C.

A historical and critical study of the leading schools of New Testament interpretation.

Paper D.

The unity and variety of the revelation of God in the New Testament.

Paper E.

- (a) The relationship between the New and the Old Testament.
- (b) The concept of a New Testament Canon.
- (c) The Old Testament and the Messianic consciousness of Jesus.

III. B.Theol (Hons) with main emphasis on Systematic Theology

Paper A.

- (a) The nature and method of Dogmatics, including present-day problems and the question of theological statement in Africa.
- (b) A survey of theological development from the 18th to the early 20th century including such names as Rousseau, Kant, Hegel and the Hegelians, Schleiermacher, Ritschl, Coleridge, Maurice, Newman, Feuerbach, Kierkegaard, and Troeltsch.

Paper B.

- (a) The possibility, nature, and history of Christian apologetics.
- (b) Communication of the Gospel to-day, taking account of modern science, philosophies, social movements, and living world religions. Special reference will be made to Africa.

Paper C.

Christian ethics. A survey of systems of ethics, Christian and non-Christian. Modern views of man with resultant ethical theories. Problems in relating theology, faith, and ethics. Moral reasoning in the modern community: areas of international concern, of national, industrial and economic concern, and of family and personal concern. Moral reasoning and the pastoral ministry.

Paper D.

The study of a particular Christian doctrine in depth. (An extended essay of 10 000 words may be substituted for the examination).

Paper E.

A study, against their background, of two theologians or fundamental theological questions to be chosen from the early, medieval, or reformation periods.

Paper F.

The critical study of one or two recent or contemporary theologians or types of theology.

Note: Attention must be given throughout to Biblical foundations, and where applicable also to the catholic creeds and later confessional developments, and to the use of primary sources where appropriate.

IV: B.Theol (Hons) with main emphasis on Ecclesiastical History and Missiology

Paper A.

Doctrinal development during the first six centuries.

Paper B.

Doctrinal development in the Reformation-Era.

Paper C.

A study of the life and work of: A Church Father or A Medieval Doctor or A Reformer: (An extended essay of about 10 000 words may be submitted for this paper).

Paper D.

Selected themes from the History of Missions.

Paper E.

Selected themes from African Church History.

Paper F.

(a) The Theology of the Christian Mission.

(b) Christian Theology in Africa.

(c) Master of Laws

(d) Doctor of Laws

B Juris

B Proc

LL B

LL M

LL D

The following certificate is awarded:

Diploma Juris.

Regulations

The following Faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules. Whenever a course is taken that is offered by another Faculty, the rules of that Faculty applicable to the course shall apply.

Exemption

L.3 Exemption may be granted, on the ground of previous study, from not more than one-fifth of the courses required for any particular degree or certificate. Provided, however, that candidates holding a B Juris or B Proc degree shall be entitled, upon proceeding to the LL B, to exemption from all such courses prescribed for the latter degree as they may have passed in obtaining either the B Juris or B Proc degree.

Non-degree and Non-certificate Courses

L.4 Except with the permission of the Senate, not more than one course may be taken for non-degree and non-certificate purposes. Such course may be taken during any year of study. Provided that as no time shall more than three courses (including courses being repeated because of previous failure) be taken in addition to the number of courses prescribed for a particular year.

Order of Courses

L.5 On the recommendation of Faculty, Senate may permit a student to follow the courses in an order other than that prescribed in L.14, L.15, L.20, L.21, L.22 and L.30.

Admission to Examination

L.6 A candidate may not present himself for examination in any course unless he has attained a year mark of at least 40%.

Pass mark

L.7 To pass a course, a candidate shall obtain

(1) at least 40% in the examination; and, in addition thereto, an average for the year work and the examination of at least 50%, such year mark and examination mark to carry equal weight.

(2) a minimum of at least 50% for every paper in a course with more than one paper.

Distinction

L.8 A candidate shall pass a course with distinction if he obtains a pass mark of at least 75%.

Faculty of Law

DEGREES AND CERTIFICATES IN LAW

L.1 The following degrees are conferred:

(1)	Bachelor of Law	B Juris
(2)	Baccalaureus Procurationis	B Proc
(3)	Bachelor of Laws	LL B
(4)	Master of Laws	LL M
(5)	Doctor of Laws	LL D

L.2 The following certificate is awarded:

Diploma Juris.

Regulations

The following faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules. Whenever a course is taken that is offered by another Faculty, the rules of that Faculty applicable to the course shall apply.

Exemption

L.3 Exemption may be granted, on the ground of previous study, from not more than one half of the courses required for any particular degree or certificate: Provided, however, that candidates holding a B Juris or B Proc degree shall be entitled, upon proceeding to the LL B, to exemption from all such courses prescribed for the latter degree as they may have passed in obtaining either the B Juris or B Proc degrees.

Non-degree and Non-certificate Purposes

L.4 Except with the permission of the Senate, not more than one course may be taken for non-degree and non-certificate purposes. Such course may be taken during any year of study: Provided that at no time shall more than three courses (including courses being repeated because of previous failure) be taken in addition to the number of courses prescribed for a particular year.

Order of Courses

L.5 On the recommendation of Faculty, Senate may permit a student to follow the courses in an order other than that prescribed in L.11, L.15, L.20, L.21, L.22 and L.30.

Admission to Examination

L.6 A candidate may not present himself for examination in any course unless he has attained a year mark of at least 40%.

Pass mark

L.7 To pass a course, a candidate shall obtain:

- (1) at least 40% in the examination, and, in addition thereto, an average for the year mark and the examination of at least 50%, such year mark and examination mark to carry equal weight;
- (2) a sub-minimum of at least 35% for every paper in a course with more than one paper.

Distinction

L.8 A candidate shall pass a course with distinction if he obtains a pass mark of at least 75%.

Supplementary Examinations

L.9 A student shall be admitted to a supplementary examination in a course in which he has failed; if he has obtained:

- (a) a year mark of at least 50%;
 - (b) an examination mark of at least 40%; and
 - (c) a pass mark in at least two other courses at the same examination;
- Provided that:
- (i) the above requirements may be waived if the course concerned is the last requirement for his degree and that he did in fact present himself for the examination therein;
 - (ii) no student shall be granted a supplementary examination in a course in which he has failed to obtain a sub-minimum of 35% in any of the papers of such course.

Bachelor of Law**Admission to the Course of Study**

L.10 To be admitted to the course of study candidates shall possess a Matriculation or Matriculation Exemption Certificate, or a certificate of conditional exemption from Matriculation issued to students from foreign countries.

Curriculum

L.11 The courses shall be as follows:

First Year:

- (i) Private Law I
- (ii) Roman Law
- (iii) Juridical Interpretation
- (iv) Political Science I, or Development Studies I, or Criminology I or Practical English, or Special Latin

Second Year:

- (i) Private Law II
- (ii) Constitutional & Administrative Law
- (iii) Mercantile Law I
- (iv) Criminal Law
- (v) African Law

Third Year:

- (i) Private Law III
- (ii) Mercantile Law II
- (iii) Evidence
- (iv) Criminal Procedure
- (v) Civil Procedure

Completion of Curriculum

L.12 1) To be admitted to the second year of the curriculum a student shall have completed at least three courses of the first year: Provided that a student who has not more than two courses in his first year outstanding, may take one second year course in addition to such outstanding first year courses. To be admitted to the third year, a student shall have completed all the courses of the first year and at least three courses of the second year: Provided that a student who has not more than three second year courses outstanding, may take one third year course in addition to such outstanding courses.

- (2) Subject to the provisions of General Rule G.12(2), a student shall receive credit for each individual course which he has passed, save in the final year, when he shall receive credit only if he has passed simultaneously in at least two courses of such year.
- (3) General Rule G.15(3) shall not apply in respect of Mercantile Law II and Private Law III.

Pass with Distinction

L.13 To obtain the degree with distinction, a student shall pass all the courses of the final year simultaneously, three of them with distinction, and achieve an average of 70% in all five courses.

Baccalaureus Procuratoris

It is a requirement of the Board for the Recognition of Examinations in Law that an approved curriculum shall include at least one second course in a non-law subject.

The curriculum and syllabi of Baccalaureus Procuratoris has been approved by the Board for the Recognition of Examinations in Law (03.04.1981).

Admission to the Course of Study

L.14 To be admitted to the course of study, candidates shall possess a Matriculation or Matriculation Exemption Certificate or a certificate of conditional exemption from Matriculation issued to students from foreign countries.

Curriculum

L.15 The courses shall be as follows:

First Year:

- (i) Private Law I
- (ii) Roman Law
- (iii) Juridical Interpretation
- (iv) Practical English
- (v) Political Science I, or Development Studies I, or Criminology I

Second Year:

- (i) Private Law II
- (ii) Constitutional and Administrative Law
- (iii) Afrikaans-Nederlands I or Praktiese Afrikaans
- (iv) Development Studies II, or Political Science II, or Criminology II
- (v) Special Latin

Third Year:

- (i) Accounting for Attorneys
- (ii) Mercantile Law I
- (iii) Criminal Law
- (iv) African Law
(Latin I may be taken as an extra course)

Fourth Year:

- (i) Private Law III
- (ii) Mercantile Law II
- (iii) Evidence
- (iv) Criminal Procedure
- (v) Civil Procedure

- L.16 (1) To be admitted to the second year of the curriculum a student shall have completed at least three courses for the first year: Provided that a student who has not more than three courses in his first year outstanding may take one second year course in addition to such outstanding first year courses. To be admitted to the third year, a student shall have completed all the courses of the first year and at least three courses of the second year: Provided that a student who has not more than two second year courses outstanding, may take one third year course in addition to such outstanding courses. To be admitted to the fourth year, a student shall have completed all the courses of the first and second years and at least three courses of the third year: Provided that a student who has not more than three third year courses outstanding, may take one fourth year course in addition to such outstanding courses.
- (2) Subject to the provisions of General Rule G.12(2), a student shall receive credit for each individual course which he has passed, save in the final year, when he shall receive credit only if he has passed simultaneously in at least two courses of such year.
- (3) A student may, subject to approval of the Senate on the recommendation of the Board of the Faculty, obtain credit for non-legal courses other than those prescribed for the degree.
- (4) General Rule G.15(3) shall not apply in respect of Mercantile Law II and Private Law III.
- (5) A student who obtained a pass standard of at least 40% (E symbol) (Higher Grade) or 50% (D symbol) (Standard Grade) in Matriculation Latin, may be exempted from the course in Special Latin for the degree.
- (6) A student who has passed Roman Law shall obtain a credit for this course only if he has passed either Special Latin or Matriculation Latin at the standard prescribed above.

Pass with Distinction

- L.17 To obtain the degree with distinction, a student shall pass in all the courses of the final year simultaneously, three of them with distinction, and achieve an average of 70% in all five courses.

Bachelor of Laws

Admission to the Course of Study

- L.18 A student shall not be admitted to the course of study unless he holds a Bachelor's degree.

General Curriculum

- L.19 The courses shall be as follows:

- (i) Private Law I
- (ii) Private Law II
- (iii) Private Law III
- (iv) Roman Law
- (v) Constitutional and Administrative Law
- (vi) Mercantile Law I
- (vii) Juridical Interpretation
- (viii) Criminal Law
- (ix) African Law
- (x) Mercantile Law II

- (xi) Evidence
- (xii) Criminal Procedure
- (xiii) Civil Procedure
- (xiv) Conflict of Laws
- (xv) Advanced Private Law A
- (xvi) Social and Economic Legislation
- (xvii) Public International Law or Mercantile Law III
- (xviii) Advanced Constitutional and Administrative Law
- (xix) Advanced Criminal Law and Procedure
- (xx) Advanced Private Law B (one semester)
- (xxi) Comparative African Law
- (xxii) Jurisprudence
- (xxiii) English I or Practical English
- (xxiv) Afrikaans- Nederlands I or Afrikaans
- (xxv) Latin I* or Mercantile Law III
- (xxvi) A dissertation of limited scope

*A university course in Latin (either Special Latin or Latin I) is a requirement for admission to the Bar and Side Bar.

Dissertation

A student shall select a topic for his dissertation in consultation with the Dean before the end of the first semester of his penultimate year of study. He shall present a draft of such dissertation to his promoter by the beginning of the first semester in his final year of study. The final dissertation shall be submitted by the beginning of the following semester and a student shall not be admitted to the final examinations for the degree unless his dissertation has been accepted.

Curriculum following upon a Bachelor of Law

L.20 (1) The courses shall be as follows:

First Year (fourth year of study):

- (i) Advanced Private Law A
- (ii) Social and Economic Legislation
- (iii) Public International Law or Mercantile Law III
- (iv) and (v) Two of English I (or Practical English), Afrikaans-Nederlands I (or Afrikaans I or Praktiese Afrikaans), or Latin I (or Special Latin)
- (vi) Comparative African Law
- (vii) Conflict of Laws

Second Year (fifth year of study):

- (i) Advanced Constitutional and Administrative Law
- (ii) Advanced Criminal Law and Procedure
- (iii) Advanced Private Law B (one semester*)
- (iv) Jurisprudence
- (v) Whichever of English I (or Practical English), Afrikaans-Nederlands I (or Afrikaans I or Praktiese Afrikaans), or Latin I (or Special Latin) has not been previously passed
- (vi) Latin I or Mercantile Law III
- (vii) Dissertation of limited scope

- (2) To be admitted to the second year of the curriculum a student shall have passed at least three courses of the first year: Provided that a student who has three courses

*The examination in this course will be written at the end of the first semester.

or the first year outstanding, may take one course from the second year in addition to such outstanding courses.

- (3) Subject to the provisions of General Rule G.12(2), a student shall receive credit for each individual course which he has passed, save in the final year when he shall receive credit only if he has passed simultaneously in at least four courses of such year (of which the dissertation may be one).

Curriculum following upon a B.Proc

L.21 (1) The courses shall be as follows:

First Year (fifth year of study):

- (i) Advanced Private Law A
- (ii) Social and Economic Legislation
- (iii) Public International Law or Mercantile Law III
- (iv) English I (or Practical English)
- (v) Latin I or Mercantile Law III
- (vi) Conflict of Laws

Second Year (sixth year of study):

- (i) Advanced Constitutional and Administrative Law
 - (ii) Advanced Criminal Law and Procedure
 - (iii) Advanced Private Law B (one semester*)
 - (iv) Jurisprudence
 - (v) Comparative African Law
 - (vi) Dissertation of limited scope
- (2) As in L.20(2)
- (3) As in L.20(3)

Curriculum following upon a BA (with eight credits)

L.22 (1) The courses shall be as follows:

First Year (fourth year of study):

- (i) Juridical Interpretation
- (ii) Conflict of Laws
- (iii) Criminal Law
- (iv) Evidence
- (v) Mercantile Law I
- (vi) Whichever of English I (or Practical English), Afrikaans-Nederlands I (or Afrikaans I or Praktiese Afrikaans), Latin I (or Special Latin), or Constitutional and Administrative Law has not been previously passed.

Second Year (fifth year of study):

- (i) Advanced Private Law A
- (ii) Mercantile Law II
- (iii) Criminal Procedure
- (iv) Civil Procedure
- (v) Social and Economic Legislation
- (vi) Public International Law or Mercantile Law III

*The examination in this course will be written at the end of the first semester.

Third Year (sixth year of study):

- (i) Advanced Constitutional and Administrative Law
 - (ii) Advanced Criminal Law and Procedure
 - (iii) Advanced Private Law B (one semester*)
 - (iv) Jurisprudence
 - (v) Comparative African Law
 - (vi) Latin I or Mercantile Law III
 - (vii) Dissertation of limited scope
- (2) As in L.12(1).
- (3) Subject to the provisions of General Rule G.12(2), a student shall receive credit for each individual course which he has passed, save in the final year when he shall receive credit only if he has passed simultaneously in at least four courses of such year (of which the dissertation may be one).

Distinction

- L.23 To obtain the degree with distinction, a student shall obtain an average of 70% for all law courses, and shall, in addition thereto, obtain distinctions in five of the final year law courses (for which purpose the dissertation shall count as a law course).

Master of Laws**Admission**

- L.24 The degree shall not be granted until a student shall have held an LL.B or an equivalent degree for a period of not less than one year.

Requirements

- L.25 (1) A dissertation on an approved topic.
- (2) An oral examination on the field of study of the dissertation, to be undergone before the dissertation is submitted for consideration.
- (3) The General Rules relating to Master's degrees shall apply *mutatis mutandis*.

Distinction

- L.26 The degree may be obtained with distinction.

Doctor of Laws**Admission**

- L.27 The degree shall not be granted until a student shall have held an LL.B or an equivalent degree for a period of not less than three years.

Requirements

- L.28 (1) (i) A thesis on an approved topic.
- (ii) An oral examination on the field of study of the thesis, to be undergone before the thesis is submitted for consideration.
- (iii) The General Rules relating to Doctor's degrees shall apply *mutatis mutandis*.
- (2) The LL.D degree may also be conferred on the ground of meritorious publications.

*The examination in this course will be written at the end of the first semester.

Diploma Juris**Admission to the Course of Study:**

- L.29** To be eligible for admission to the Diploma Juris a candidate shall be in possession of a matriculation certificate of the Joint Matriculation Board or a certificate of full or provisional exemption issued by that Board, or a school-leaving certificate.

Curriculum

- L.30** The courses shall be as follows:

First Year:

- (i) Private Law I
- (ii) Roman Law
- (iii) Juridical Interpretation
- (iv) Development Studies I, or Criminology I

Second Year:

- (i) Private Law II
- (ii) Constitutional and Administrative Law
- (iii) Mercantile Law I
- (iv) African Law
- (v) Criminal Law

Third Year:

- (i) Private Law III
- (ii) Evidence
- (iii) Criminal Procedure
- (iv) Civil Procedure

Completion of curriculum:

- L.31 (1)** To be admitted to the second year, a student shall have completed at least three courses of the first year: Provided that a student who has not more than two courses of the first year outstanding, may take one second year course in addition to such outstanding courses. To be admitted to the third year, a student shall have completed all the courses of the first year and at least three courses of the second year: Provided that a student who has not more than three courses of the second year outstanding, may take one third year course in addition to such outstanding courses.

- (2) As in L. 12(2).

Distinction:

- L.32** As in L.13.

ZWELITSHA BRANCH**Bachelor of Law and Diploma Juris****Curriculum**

- L.33** The courses shall be as follows:

First Year:

- Private Law I
- Roman Law
- Juridical Interpretation

Second Year:

Criminal Law
 African Law
 Criminology I

Third Year:

Mercantile Law I
 Private Law II
 Constitutional and Administrative Law

Fourth Year:

(full-time at Fort Hare)

Private Law III
 Evidence
 Criminal Procedure
 Civil Procedure
 Mercantile Law II (Additional course for Bachelor of Law)

Syllabi

DEPARTMENT OF AFRICAN AND COMPARATIVE LAW

A. African Law

(Two papers)

1. (a) Introduction to the principal African legal systems of Southern Africa — their history, recognition and administration.
(b) An outline of African Law of procedure and evidence.
2. African Private Law: Persons, Family Relations, Succession, Things, Contract and Quasi-Contract, Delict and Quasi-delict.

B. Roman Law

(One paper)

1. (a) Introduction to the history and development of Roman Law from 753 BC to the Reception in Europe.
(b) Principles of Roman Private Law.

C. Comparative African Law

(One paper)

1. A comparative study of African legal systems, with particular reference to legal systems in Southern Africa.
2. *Capita selecta* from the customary law of Transkei and Ciskei.

D. Conflict of Laws

(One paper)

1. An introduction to legal systems.
2. South African Conflict of Laws.

DEPARTMENT OF PRIVATE LAW

A. Private Law (South African Roman-Dutch Law)

Course I (The Law of Persons and Family Relations)

(Two papers)

1. (a) Introduction to the philosophy and study of law; preliminary concepts.
(b) History of the Reception of Roman Law in Europe and of Roman-Dutch Law in South Africa.
(c) Introduction to South African positive law.
(d) The Law of Persons.
2. The Law of Family Relations.

Course II (The Law of Things and Succession)

(Two papers)

1. The Law of Things, including an outline of Land Registration and Water Law. (One paper).
2. The Law of Succession and Administration of Deceased Estates. (One paper).

Course III (The Law of Obligations)

(Two papers)

1. The Law of Contract and Quasi-contract.
General principles and specific contracts (especially Purchase and Sale, Hire-Purchase, Lease and Service Contracts). (One paper).
2. The Law of Delict and Quasi-Delict.
General principles and specific delicts. (One paper).

B. Advanced Private Law**Course A**

(Two papers)

Capita selecta from Private Law for example:

1. (a) Fideicommissum
(b) Stipulatio Alteri
(c) Trust
(d) Foundation
(e) Water law
(f) Legal persons and other social institutions
(g) Personality rights
(h) Mineral rights
(i) and/or any other relevant aspect of Private law.
2. (a) Agency and mandate
(b) Suretyship
(c) Deposit
(d) Carriage
(e) Cession
(f) Estoppel
(g) Administration of estates
(h) and/or any other relevant aspect of Private law.

Course B

(Two papers)

1. (a) *Capita selecta* from delictual and quasi-delictual liability.
(b) Unjustified Enrichment. (One paper of three hours).
2. The latest reported cases on the whole field of Private Law, (One paper of one and a half hours).

C. Jurisprudence

1. Theories of Jurisprudence

(One three hour paper)

The nature and definition of Jurisprudence.

The "Schools" of Jurisprudence:

- (a) Natural law, ancient and modern
- (b) Medieval theories
- (c) Rationalism
- (d) Idealism

- (e) Historical approach
 - (f) Positivism
 - (g) Realism (Anglo-American and Scandinavian)
 - (h) Sociological approach
 - (i) Socialist and Communist theory.
2. Contemporary Issues in Jurisprudence
(One one and half hour paper)
- (a) Legal and related concepts: Law, Justice, Equity, Morality and Ethics; rights and duties.
 - (b) Law, sovereignty and the State.
 - (c) Property: ownership and possession.
 - (d) Delict, insurance and social responsibility.
 - (e) Crime and Punishment.
 - (f) Corporate Power, the individual and the State.
 - (g) Legal change, including codification.

DEPARTMENT OF CRIMINAL LAW AND PROCEDURE

- A. *Criminal Law:*
(One paper)
1. Introduction to the study of Criminal Law:
 2. The general doctrines of Criminal Law: the elements of crime; attempt, perpetrators and accomplices; accessories after the fact; incitement and conspiracy.
 3. The more important common law and statutory crimes.
- B. *Criminal Procedure:*
(One paper)
1. Introduction to the study of Criminal Procedure.
 2. The principles of South African Criminal Procedure in the superior and lower courts (including Black courts).
- C. *Civil Procedure:*
(One paper)
- Procedure in civil cases in superior and lower courts (including Black courts).
- D. *Advanced Criminal Law and Procedure:*
(One paper)
1. *Capita selecta* from Criminal Law and Procedure.
 2. *Medicina Forensis*.
- E. *Law of Evidence:*
(One paper)
- The law of evidence in criminal and civil cases.

DEPARTMENT OF MERCANTILE LAW

A. Mercantile Law:

Course I

(Two papers)

1. Company Law.
2. (a) The Law of Partnership.
(b) The Law of Insolvency.

Course II

(Two papers)

1. (a) An outline of the elementary principles of the Law of Negotiable Instruments.
(b) The Law of Insurance.
2. (a) The Law of Industrial Property.
(b) An outline of the Law of Taxation.

Course III

(One paper)

- (a) *Capita Selecta* from Company Law, Insurance and Industrial Property.
- (b) Corporate Taxation and Estate Planning.
- (c) Arbitration.

B. Commercial Law (for B Com Students):

Course I

(Two papers)

1. (a) Introduction to Law.
(b) General principles of the Law of Contract.
2. Special Contracts, including:
 - Purchase and Sale.
 - Hire Purchase.
 - Lease.
 - Service.
 - Agency.
 - Carriage of Goods.
3. Real and Personal Security, including:
 - Mortgage.
 - Pledge.
 - Suretyship.
 - Liens.

Course II

(Two papers)

1. (a) The Law of Insurance.
(b) The Law of Negotiable Instruments.
(c) A broad outline of Insolvency and Succession.
2. (a) The Law of Partnership.
(b) Company Law.

DEPARTMENT OF CONSTITUTIONAL AND PUBLIC INTERNATIONAL LAW**A. Constitutional and Administrative Law:**

(Two papers)

1. (a) Origin and nature of Constitutional Government.
(b) The Individual and the State.
(c) An Introduction to Administrative law, including the civil liability of the State.
2. Constitution and Government of the Republic of South Africa, including the participation of the Blacks in constitutional government.

B. Public International Law:

(One paper)

General principles of Public International Law.

The Law of Peace and the elementary principles of the Law of War.

The law relating to the most important organisations of Public International Law.

C. Advanced Constitutional and Administrative Law:

(Two papers)

1. (a) *Capita selecta* from Constitutional Law.
(b) Comparative Constitutional Law.
2. A detailed study of Administrative Law.

D. Juridical Interpretation:

(One paper)

The nature and principles of interpretation of statutory and case law.

E. Social and Economic Legislation:

(Two papers)

The course will consist of the principles and instruments of social and economic policy with reference to the more important aspects of the following legislation:

1. Children's Act.
Immorality Act.
Public Health Act.
Publications Act.
Industrial Development Act.
Electricity Act.
Maintenance and Promotion of Competition Act.
Marketing Act.
2. Manpower Training Act.
Machinery and Occupational Safety Act.
Workmen's Compensation Act.
Labour Relations Act.
Wage Act.
Basic Conditions of Employment Act.

**VOCATIONAL CHANNELS OPEN TO STUDENTS QUALIFIED IN
THE VARIOUS COURSES OF STUDY**

1. The Diploma Juris will enable holders thereof to be appointed as public prosecutors and even magistrates.
2. Prospective attorneys may register for the B Proc degree. However, this degree will be phased out within the next few years, and be replaced by the LL.B degree as the minimum academic qualification required for admission to legal practice, whether as an Attorney or as an Advocate. The LL.B has to be preceded by some other bachelor's degree, such as a BCom or BA with certain legal credits. The Law Societies initially introduced the B Proc as an interim measure; it was their intention to move towards a requirement of academic uniformity for practice at both Bar and Side-Bar.
3. The B Juris degree covers the Public Service Law Examinations. The LL.B degree may be obtained after a further two years of study.
4. Students who wish to acquire a cultural or commercial background, should consider registering for the BA or BCom degree, in which case the LL.B degree may be obtained after a further three years of study.
5. To register for the LL.B degree, a student shall possess a bachelor's degree. Possession of an LL.B degree is sufficient academic qualification to be admitted as an Advocate. (To practise as an advocate, a certain period of practical training in chambers is required.)
6. The required term of articles for admission as an attorney is two years. In addition, a practical examination has to be completed successfully.

	Bachelor of Arts (Honours)	BA (Hons)
	Master of Arts	MA
	Doctor of Literature and Philosophy	D.Lit or Ph.D.
ii	In Library Science	
	Bachelor in Library and Information Science	B.LIS
	Master in Library and Information Science	M.LIS
iii	In Social Work	
	Bachelor of Arts in Social Work	BA (SW)
	Bachelor of Arts in Social Work (Honours)	BA (SW) (Hons)
	Master of Arts in Social Work	MA (SW)
	Doctor of Philosophy	Ph.D.
iv	In Fine Arts	
	Bachelor of Arts in Fine Arts	BA (FA)
	Bachelor of Arts in Fine Arts (Honours)	BA (FA) (Hons)
	Master of Arts in Fine Arts	MA (FA)
v	In Personnel Management	
	Bachelor of Arts in Personnel Management	BA (Personnel Management)
	Bachelor of Arts in Personnel Management (Honours)	BA (Personnel Management) (Hons)
	Master of Arts in Personnel Management	MA (Personnel Management)

Faculty of Arts

INTRODUCTION

The Faculty of Arts is one of the two oldest faculties at Fort Hare. It offers training in the humanities and makes provision for both elementary and advanced tuition in a variety of disciplines and specialities. In the Faculty students are prepared for careers as social workers, teachers, librarians, psychologists and personnel managers amongst others. There are also limited but increasing opportunities in research and academic fields for students who pursue their studies beyond the undergraduate level. An Arts degree is also a key to administrative and management work in the Public services of Transkei and Ciskei, as well as in local and other authorities and also in some branches of industry and commerce.

Although the Faculty is by no means a professional training school the subjects offered are basic to an understanding of human life and culture and therefore form the background for professional and other persons in positions of leadership and influence in a wide variety of fields.

RULES FOR THE FACULTY OF ARTS

The following faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules. Whenever a course is taken that is offered by another Faculty, the rules of that Faculty applicable to the course shall apply.

Degrees and Diplomas

A.1. (1) The following degrees are conferred in the Faculty:

I *In pure Arts:*

Bachelor of Arts.	BA
Bachelor of Arts (Honours).....	BA (Hons)
Master of Arts.....	MA
Doctor of Literature and Philosophy.....	DLitt et Phil

II *In Library Science:*

Bachelor in Library and Information Science.	BBibl
Bachelor in Library and information Science (Honours).....	BBibl (Hons)

III *In Social Work:*

Bachelor of Arts in Social Work.....	BA (SW)
Bachelor of Arts in Social Work (Honours)..	BA (SW) (Hons)
Master of Arts in Social Work.....	MA (SW)
Doctor of Philosophy.....	DPhil

IV *In Fine Arts:*

Bachelor of Arts in Fine Arts.....	BA (FA)
Bachelor of Arts in Fine Arts (Honours)....	BA (FA) (Hons)
Master of Arts in Fine Arts.....	MA (FA)

V *In Personnel Management:*

Bachelor of Arts in Personnel Management..	BA (Personnel Management)
Bachelor of Arts in Personnel Management (Honours).....	BA (Personnel Management) (Hons)
Master of Arts in Personnel Management. .	MA (Personnel Management)

- VI *In Communication:*
 Bachelor of Arts in Communication..... BA (Communication)
 Bachelor of Arts in Communication (Honours) BA (Com) (Hons)
 Master of Arts in Communication..... MA (Com)
- VII *In Music:*
 Bachelor of Arts in Music..... BA(Mus)
- (2) The following under-graduate diplomas are granted in the Faculty:
 Lower Diploma in Library and Information Science
 Diploma in Fine Arts (Dip FA)
- (3) The following post-graduate diplomas are granted in the Faculty:
 Diploma in Applied Linguistics
 Higher Diploma in Social Work

**The Degree of Bachelor of Arts
 Duration of Curriculum**

A.2. The curriculum shall extend over three years of full-time study.

Composition of Curriculum

A.3. A curriculum shall consist of at least ten but not more than twelve courses selected from the following:

Group A (Humanities)

- (1) Praktiese Afrikaans, Afrikaans-Nederlands I, II, III and Afrikaans I, II
 Xhosa I, II, III
 Sotho I, II, III
 Practical English, English I, II, III
 Greek I, II, III
 Hebrew I, II, III
 Latin Special, Latin I, II, III
 Special French, French I
 Special German
- (2) African Thought and Literature I, II, III
 Anthropology I, II, III
 Archaeology I, II
 Biblical Studies I, II, III
 Criminology I, II, III
 Development Studies I, II, III
 Economics I, II, III
 Geography I, II, III
 History I, II, III
 History of Art I, II, III
 Mathematics I, II, III
 Pedagogics I, II, III
 Philosophy I, II, III
 Political Science I, II, III
 Psychology I, II, III
 Public Administration I, II, III
 Sociology I, II, III
 Statistical Methods
 Statistics I
- (3) Classical Culture
 Statistics

One course only

Group B	<p>(Law) (One course only except where otherwise indicated)</p> <p>African Law</p> <p>Constitutional and Administrative Law</p> <p>Criminal Law I (credit for the course is only given if Criminology III is passed)</p> <p>Private Law I, II, III</p> <p>Roman Law</p>
Group C	<p>(Theology)</p> <p>Ecclesiastical History and Missiology I, II, III</p> <p>Religious Studies I (one course only)</p> <p>Systematic Theology I, II, III</p>
Group D	<p>(Science) (One course only)</p> <p>Applied Computer Science</p> <p>Biology</p> <p>Botany</p> <p>Chemistry</p> <p>Geology</p> <p>Physics</p> <p>Zoology</p>

- A.4. (1) A student shall include in his curriculum at least two subjects to be designated major subjects, in each of which he shall complete three courses: Provided that:
- (a) a special course taken in terms of paragraph A.10 shall not be recognized as a course for this purpose; and
 - (b) a student who completes two courses in Archaeology shall be deemed to have taken Archaeology as a major subject.
- (2) A student shall select either:
- (a) Both major subjects from Group A: *or*
 - (b) One major subject from Group A and the other from either Group B or Group C.
- A.5. A student shall not take more than four courses in his first or second year of study, nor more than three courses in his third year of study

Determination of Year of Study

- A.6. (1) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for the degree in that year; otherwise he shall be deemed to be in his second year of study.
- (2) No student may register for any second year course unless he has passed a minimum of three first year courses.

Selection of Courses

- A.7. A curriculum shall, except by permission of the Senate, include:
- (a) at least four non-initial courses;
 - (b) at least five courses from Group A(1) and (2);
 - (c) at least two courses from Group A(1), including at least one course in Praktiese Afrikaans, Afrikaans, Afrikaans-Nederlands, English or Practical English;

- (d) at least one course from Group A(2) or A(3) or C;
- (e) at least one more course from Group A(2), A(3) or B or C, which may be a second course in a subject selected in terms of clause (d) above:

Provided that a curriculum shall not include courses selected from more than one of the three groups B, C and D.

- A.8. Except by permission of the Senate a student shall not be given credit for:
- (a) more than two courses from Group B: Provided that a student who selects Private Law as a major subject may include up to six courses from Group B in his curriculum;
 - (b) more than four courses from Group C;
 - (c) more than one course from Group D;
 - (d) both Statistics I and Statistical Methods;
 - (e) both Classical Culture and a course in Latin or Greek.
 - (f) courses from Xhosa as well as Sotho.
 - (g) more than one of the following courses: Praktiese Afrikaans, Practical English, Special French or Special German.

Special Admission Provisions for Certain Subjects

- A.9. (1) Except in special circumstances and by permission of the Senate on recommendation of the Head of the relevant department, a student shall not be admitted to a course in English or to Latin I unless he has attained the pass standard in the subject concerned at the matriculation examination or at an examination recognised for the purpose by the Joint Matriculation Board.
- (2) Greek I consists of two half-courses, Greek IA and Greek IB. In Greek I the A Course must precede the B Course. No credit towards a degree is given for Greek IA; in special circumstances and with the permission of the Head of the Department a student may be exempted from this course. To obtain a credit for Greek I a student must pass Greek IB.
- (3) A student may only take Archaeology I after or concurrently with Anthropology I.
- (4) Anthropology I consists of two part courses, IA and IB. Course IA is required for all students taking Anthropology but will be considered to satisfy the conditions of Anthropology I for *only* those students registered for the degree/diploma in Social Work. Course IB is designed for *all* other students and must be taken for credit of Anthropology I. A student may not proceed in Anthropology unless he has completed IB.
- A.10. (1) Credit shall be given to the course Latin Special, provided that it may only be selected by a student who has not passed the subject at the matriculation or equivalent examination.
- (2) (i) Credit shall be given for a course in Praktiese Afrikaans: Provided that such course is open to *all* students who at the matriculation examination obtained *less* than a D symbol (i.e. 50%) in Afrikaans second language higher grade; and *all* students who passed Afrikaans second language standard-grade, irrespective of the symbol obtained; but *not* to any student who passed Afrikaans first language higher grade; unless the Head of the Department of Afrikaans-Nederlands recommends otherwise. Students who wish to be exempted from this regulation must submit a written application fully motivating such request.

This condition is applicable only to students of the Faculty of Arts. Students of other faculties may choose *Praktiese Afrikaans* or *Afrikaans-Nederlands I* or *Afrikaans I*.

- (ii) A student who has completed *Praktiese Afrikaans* may register for *Afrikaans I* or *Afrikaans-Nederlands I* but not for *Afrikaans II* or *Afrikaans-Nederlands II* until *Afrikaans I/Afrikaans-Nederlands I* has been passed.
- (iii) No student may register for *Praktiese Afrikaans* and *Afrikaans I/Afrikaans-Nederlands I* in the same year.
- (iv) A student who has failed *Praktiese Afrikaans* may register only on the recommendation of the Head of Department for *Afrikaans I/Afrikaans-Nederlands I*.
- (v) *Afrikaans II* does not lead to *Afrikaans-Nederlands III*.
- (vi) Students who wish to change from *Afrikaans* to *Afrikaans-Nederlands* or vice versa may do so only at the beginning of an academic year and after having obtained permission from the Head of the Department. Such a change shall take place once only.

(3) Credit shall be given for a course in Practical English: Provided that:

- (i) No student may register for English I and Practical English in the same year.
- (ii) A student who has passed Practical English may register subsequently for English I, but not for English II until English I has been passed.
- (iii) A student who has failed Practical English may only be registered for English I by the Dean on the recommendation of the Head of the Department.
- (iv) The Head of Department has the right to require that students who have not attained sufficient academic competence in the use of English complete the course in Practical English before being allowed to proceed to English I.

(4) Credit shall be given for the following:

- (i) both Practical English and English I.
- (ii) both *Praktiese Afrikaans* and *Afrikaans I* or *Afrikaans-Nederlands I*.

provided that a combination as is (i) or (ii) would not be regarded as fulfilling the requirements of Rule A7(c).

Ancillary Courses

A.11. A student shall not be admitted to the third course in any one of the major subjects listed below unless he has completed the courses specified as ancillary thereto or takes them concurrently with the major subject concerned: Notwithstanding where an ancillary course and the final courses in major subjects are taken concurrently and the student passes in one or both major subjects but fails in one or more ancillary subjects, he shall be deemed to comply with the provisions of this paragraph if he thereafter completes the ancillary course in which he failed.

<i>Major subject</i>	<i>Ancillary subject</i>
Economics	Statistics I
Industrial Psychology	Statistics I

Criminology
Xhosa or Sotho

Anthropology
Archaeology
Psychology

Public Administration

Criminal law I
African Thought and Literature I (not
for students who registered for Xhosa I
or Southern Sotho I before 1979)

Archaeology I
Anthropology I
Statistical Methods
or Statistics I
Political Science I

Examination

- A.12. (1) In order to complete a course, a student must comply with the requirements laid down in the general rules for a degree of bachelor and obtain a sub-minimum of at least 35% of the marks in each paper.
- (2) The year mark and the examination shall be combined in equal proportions.
- A.13. (1) A student in his first and second year of study shall be admitted to a supplementary examination in a course in which he has failed: Provided he has obtained:
- (a) a year mark of at least 50%;
- (b) at least 40% of the marks in the examination; and
- (c) the pass mark in at least two other courses at the same examination.
- (2) A student in his third year of study shall be admitted to a supplementary examination in a course in which he has failed.
- (a) in a final course of a major subject: Provided he has obtained:
- (i) a year mark of at least 50%;
- (ii) at least 40% of the marks in the examination and has completed the final course of his other major subject; and
- (b) in one other course: Provided it is the last remaining requirement for his degree.
- (3) No first, second, third or fourth year student will be granted a supplementary examination if he fails a sub-minimum in any of his examination papers in a particular course.

Distinction

- A.14. A student who obtains 75% of the marks in the final course in a major subject shall be awarded a pass with distinction in that subject.

The Degree of Bachelor of Arts (Honours)

(Please refer also to the Statute and the general rules for the honours degree of bachelor)

Subjects

- A.21. The degree may be obtained in any one of the following subjects:

Afrikaans-Nederlands	History of Art
Anthropology	Latin
Archaeology	Library and Information Sciences
Biblical Studies	Mathematics
Criminology	Philosophy
Communications	Political Science

Development Studies	Psychology
Ecclesiastical History	Public Administration
Economics	Sociology
English	Systematic Theology
Geography	Sotho
Greek	Xhosa
History	

- A.22. (1) A candidate shall not be admitted to any course for the honours degree unless he has obtained the permission of the Head of the Department concerned.
- (2) Normally candidates will not be admitted to the honours course unless they have obtained at least 60% in the final year in the subject in which they wish to take honours.
- (3) Such specific admission requirements as may be prescribed shall be as stated in the syllabus concerned.
- (4) Subject to the general rules for the honours degree of bachelor, a student in possession of the BA degree in Social Work may be admitted to the Bachelor of Arts honours degree.
- (5) Specific rules for Psychology Honours are detailed in the syllabus concerned.

Examinations

- A.23. (1) There shall be a sub-minimum of 40% for each paper.
- (2) Final mark of BA (Hons) in Biblical Studies shall comprise:—
- Five papers of three hours each — constituting 60% of the final mark.
 - A year mark constituting 40% of the final mark.

Distinction

- A.24. The degree shall be conferred with distinction on a candidate who obtains an aggregate of 75% of the marks for the honours course.

Duration of Curriculum

- A.25. The honours course shall extend over not less than one year of full-time study but, except for the honours course in Accounting, a candidate may, with the approval of the head of the department concerned, attend and complete the course in two successive parts, each extending over one academic year.

The Degree of Master of Arts

(Please refer also to the Statute and the general rules for the degree of Master).

Subjects

- A.31. The degree may be conferred in any one of the following subjects:
- | | |
|------------------------|-----------------------|
| Afrikaans-Nederlands | History |
| Anthropology | Latin |
| Archaeology | Mathematics |
| Biblical Studies | Philosophy |
| Criminology | Political Science |
| Development Studies | Psychology |
| Ecclesiastical History | Public Administration |

Economics	Sociology
English	Sotho
Geography	Systematic Theology
Greek	Xhosa

A person shall not be admitted as a candidate for the degree of Master of Arts unless

- (a) he has been admitted to a degree required in terms of the general rules for the degree of Master, or to the status thereof; or
- (b) has been granted a postgraduate diploma in applied linguistics:
Provided that a holder of such diploma may not be admitted as a candidate in any department other than Afrikaans-Nederlands, Xhosa and Sotho or English:

Provided further that:

- (i) such subject was one of the major courses in his curriculum for the bachelor's degree, and
- (ii) his advanced study or research shall be in a field approved by both the head of the relevant department and the Director of the Language Laboratory.

Examination

- A.32. The form for the examination in any subject shall be a dissertation unless the syllabus concerned indicates otherwise.

The Degree of Doctor of Literature and Philosophy

(Please refer to the Statute and the general rules for the degree of Doctor)

Diploma in Applied Linguistics

Admission

- AL.1. A person shall not be admitted as a student unless he holds the degree of Bachelor of Arts of the University or of another university recognised for the purpose by the Senate and has either:

- (a) completed three courses in at least one of the following subjects towards the degree of bachelor:
Afrikaans-Nederlands
Sotho
Xhosa
English, or
- (b) has completed two courses in at least two of the subjects listed in (a); or
- (c) has completed at least two courses in linguistics, or
- (d) has had at least three years satisfactory high school teaching experience of one of the languages listed in (a) and has completed at least two courses in one of the said languages towards the degree of bachelor.

Curriculum

- AL.2. The curriculum shall extend over one academic year.
- AL.3. (1) A student shall attend and by examination complete a course in Applied Linguistics.
- (2) A student shall learn a language of which he has no previous knowledge to be determined by the Director of the A.D.C. and shall pass a test therein before being permitted to present himself for the examination at the end of the course.

Examination

AL.4. The examination shall include a written and practical test and a report on an approved official project.

Distinction

AL.5. The diploma shall be awarded with distinction to a student who obtains an aggregate of 75% of the marks in the examination.

The Degree of Bachelor in Library and Information Science**Duration of Curriculum**

LS.1. The curriculum shall extend over four academic years of full-time study.

- LS.2. (1) A curriculum shall consist of fifteen courses:
- (a) Library Science I, II, III and IV
 - (b) Information Science I, II, III and IV
 - (c) Six courses selected from the subjects listed for the degree of Bachelor of Arts, including at least one language course and three courses in any one subject to be designated as a major subject
 - (d) Applied Computer Science I
- (2) Students shall do at least six weeks field work during the third or fourth year of study. Arrangements will be made on behalf of the students by the Department, or a student may make his own arrangements subject to the approval of the Head of the Department.

- LS.3. (1) A student shall not take more than five courses in his first year of study, nor more than four courses in either his second or third year of study, nor more than three courses in his fourth year of study.
- (2) No student may register for any second year course unless he has passed a minimum of three first year courses.

Exemptions

- LS.4. (1) A student who is in possession of the Lower Diploma in Library Science may be exempted from a maximum of five courses: Provided that in the case of a student who has obtained the lower Diploma in Library Science at the University of Fort Hare, he may be exempted from a maximum of seven courses, including Library Science I and II.
- (2) A student in possession of an appropriate Bachelor's degree will be exempted from non-professional subjects already offered for the Bachelor's degree and can complete the B.Bibl. degree in two years, the curriculum consisting of Library Science I, II, III & IV; Information Science I, II, III & IV; and one course in Applied Computer Science.

Determination of Year of Study

- LS.5. A student shall be deemed to be in his first year of study until he has obtained credit for at least four courses; in his second year of study until he has obtained credit in Library Science I and II, Information Science I and II and at least four further courses; in his fourth year of study when he is taking courses which will enable him to complete the requirements for the degree in that year, otherwise he shall be deemed to be in his third year of study.

Examination

- LS.6. (1) In order to complete a course, a student must comply with the requirements laid down in the general rules for a degree of bachelor and obtain a sub-minimum of at least 35% of the marks in each paper.
- (2) The year mark and the examination shall be combined in equal proportions.
- LS.7. (1) A student in his first, second and third year of study shall be admitted to a supplementary examination in a course in which he has failed: Provided he has obtained:
- (a) a year mark of at least 50%;
- (b) at least 40% of the marks in the examination; and
- (c) the pass mark in at least two other courses at the same examination.
- (2) A student in his fourth year of study shall be admitted to a supplementary examination in a course in which he has failed:
- (a) in the final course of a major subject; Provided he has obtained:
- (i) a year mark of at least 50%;
- (ii) at least 40% of the marks in the examination and has completed the final course of his other major subject; and
- (b) in one other course, provided it is the last remaining requirement of his degree.
- (3) No first, second, third or fourth year student will be granted a supplementary examination if he fails a sub-minimum in any of his examination papers in a particular course.

The Degree of Bachelor in Library and Information Science (Honours)

(Please refer also to the Statute and the general rules for the honours degree of bachelor).

Admission

- LS.11. A person shall not be admitted as a candidate for the degree unless he:
- (a) has been admitted to the degree of Bachelor in Library Science of the University; or
- (b) holds a four year Bachelor's degree in Library Science of any other university institution or of any university outside the Republic and has been admitted to the status of Bachelor in Library Science at the University; or
- (c) has been admitted to any other degree of Bachelor or to the status thereof at the University and is in possession of a Higher Diploma in Library Science; or
- (d) qualifies in terms of paragraph G.17.(c) of the general rules for the honours degree of bachelor.

Examination

- LS.12. (1) The examination shall consist of four papers of three hours each.
- (2) There shall be a sub-minimum of 40% for each paper.

Distinction

- LS.13. The degree shall be conferred with distinction on a candidate who obtains an aggregate of 75% of the marks for the course.

Lower Diploma in Library and Information Science*Admission*

- LS.21. A person shall not be registered as a student unless he has obtained the matriculation certificate or a school leaving certificate.

Duration of Curriculum

LS.22. The curriculum shall extend over two years of full-time study.

Composition of Curriculum

LS.23. The curriculum shall consist of seven courses comprising:

- (a) Library Science I and II
- (b) Information Science I and II
- (c) Three courses selected from the subjects listed for the degree of Bachelor of Arts and including at least one course in a language and one non-initial course.

LS.24. Library Science I and Information Science may be taken in either the first or second year of study and, if taken in the second year, may be taken concurrently with Library Science II and Information Science.

Examination

LS.25. (1) In order to complete a course a student must comply with the requirements laid down in the general rules for a degree of bachelor and obtain a sub-minimum of at least 35% of the marks in each paper.

(2) The year mark and the examination shall be combined in equal proportions.

LS.26. (1) A student in his first year of study shall be admitted to a supplementary examination in a course in which he has failed: Provided he has obtained:

- (a) a year mark of at least 50%;
- (b) at least 40% of the marks in the examination; and
- (c) the pass mark in at least two other courses at the same examination.

(2) A student in his second year of study shall be admitted to a supplementary examination in a course in which he has failed:

- (a) in one course, provided he has obtained:
 - (i) a year mark of at least 50%;
 - (ii) at least 40% of the marks in the examination; and
- (b) in one other course: Provided it is the last remaining requirement for his diploma.

(3) No student will be granted a supplementary in a first or second course if he fails a sub-minimum in any of his examination papers in a particular course.

The Degree of Bachelor of Arts in Social Work**Duration of Curriculum**

SW.1. The curriculum shall extend over three academic years of full-time study.

B.A. Rules

SW.2. Subject to any provisions to the contrary in these rules, the rules for the ordinary degree of Bachelor of Arts shall apply.

Composition of Curriculum

SW.3. The curriculum shall consist of at least thirteen but not more than fifteen courses.

SW.4. A student shall include in his curriculum:

- (a) Social Work I, II and III;

- (b) Social Work Practice I, II and III
- (c) *Either*
Sociology I, II and III and at least Psychology I and II
or
Psychology I, II and III and at least Sociology I and II,
A student shall not be admitted to the third course in Social Work unless he has completed the first courses in both Psychology and Sociology.
- (d) Courses selected from the following:
Anthropology I, II
Anthropology IA
Criminology I, II, III
Development Studies I
Economics I, II, III
History I
Philosophy I
Political Science I
Statistical Methods
Afrikaans I *or* Afrikaans-Nederlands I
or Praktiese Afrikaans (see Rule A10 (2)(i))
Xhosa/Sotho
English I *or* Practical English
- (e) A student who selects Anthropology IA shall not be admitted to the second course in Anthropology.

Not more than one
language course

- SW.5. A student shall carry out such practical social work as prescribed by the Head of the Department with a registered welfare organization. A student may make his own arrangements subject to the approval of the Head of the Department who retains the right to make arrangements on behalf of a student.
- SW.6. (1) A student shall not be admitted to the second or third course in either Social Work or Social Work Practice, unless he has satisfactorily completed the preceding courses in both Social Work and Social Work Practice.
- (2) In addition to Social Work Practice I, II or III, a student shall not take more than four courses in his first or second year of study nor more than three courses in his third year of study.

The Degree of Bachelor of Arts in Social Work (Honours)

Rules

- SW.7. Subject to any provisions to the contrary in these rules the rules for the ordinary degree of Bachelor of Arts (Honours) and the general rules for the honours degree of bachelor shall apply.

Subject

- SW.8. The degree may be obtained only in the subject of Social Work.

Admission

- SW.9. (i) Only persons who are in possession of a BA degree with a Social Work major shall be admitted to this course.
- (ii) Candidates are required to complete a three months supervised field work placement or must have had at least one year's experience in Social Work employment before being admitted to this course.
- (iii) Candidates without social work employment experience who intend to register for this course must apply to the Head of Department of Social Work before

the end of September of the preceding year.

- (iv) Candidates who have had at least 1 year's experience in Social Work Employment but who failed to obtain a final pass mark of 60% may be considered for admission to the Honours course on the recommendation of the Head of the Department. (See also the rules of the Faculty regarding Entrance requirements for Honours).

Duration

- SW.10. (i) The course takes place over a period of fifteen months starting in the beginning of December. The first three months, where required, are spent in a full-time field work placement. The rest of the programme consists of four semester courses of study plus an extended essay in a specialized direction to be selected before the end of the first semester. Two courses are taught in the first semester and in the second semester.
- (ii) Classes start at the University on the first working day of March in each year.

Examinations

- SW.11. (i) Examinations for the first semester are conducted at the end of the first semester and examinations for the remaining courses are written in February of the ensuing year.
- (ii) The final date for submission of the extended essay will be two days before commencement of the February Social Work Honours Examinations.

Fieldwork

- SW.12. (i) All candidates must submit a report on their Field experience within 2 weeks of the commencement of classes in the beginning of March.

Post Graduate Diploma in Social Work

- SW.13. (i) The rules for admission to and the duration of the Post Graduate Diploma shall be the same as for the Honours course, except where otherwise indicated.
- (ii) Persons who do not qualify for admission to the Honours course will be admitted to the Post Graduate Diploma in Social Work.

Examinations

- SW.14. (i) Same as SW.11. (i)
- (ii) Separate examination papers will be set for the Post Graduate Diploma and the Honours candidates.

The Degree of Master of Arts in Social Work

(Please refer to the Statute and to the general rules for the degree of Master)

The Degree of Doctor of Philosophy in Social Work

(Please refer to the Statute and to the general rules for the degree of Doctor)

The Degree of Bachelor of Arts in Fine Arts

Duration of Curriculum

FA.1. The curriculum shall extend over three years of full-time study.

Composition of Curriculum

FA.2. The following courses are prescribed for the first year of study:

History of Art I

Painting I or Sculpture I

Drawing I

Graphic Art I

One of the following:

English I

Practical English

Afrikaans-Nederlands I or Afrikaans I or

Praktiese Afrikaans (see rule A.10(2)(ii))

Special French

One of the following:

Anthropology I

Archaeology I

African Thought and Literature, History I, Geography I, and Biblical Studies I.

FA.3. A student shall not be admitted to the second year of study unless he has completed all the Fine Art courses of the first year of study.

FA.4. The following courses are prescribed for the second year of study:

History of Art II

Painting II or Sculpture II

Drawing II

Graphic Art II

One of the following:

English II

Afrikaans-Nederlands II or Afrikaans II

Philosophy I

Classical Culture

Psychology I

Sociology I

Fine Art Courses

FA.5. A student shall not be admitted to the third year of study unless he has completed all the courses of the first year of study and all the Fine Art courses of the second year of study.

FA.6. The following courses are prescribed for the third year of study:

History of Art III

Painting III or Sculpture III

Graphic Art III

Aesthetics

Determination of Year of Study

FA.7. A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for the degree in that year; otherwise he shall be in his second year of study.

Supplementary Examinations

- FA.8. (1) A student in his first and second year of study shall be admitted to a supplementary examination in a course in which he has failed: Provided he has obtained:
- a year mark of at least 50%;
 - at least 40% of the marks in the examination; and
 - the pass mark in at least two Fine Art courses at the same examination.
- (2) A student in his third year of study shall be admitted to a supplementary examination in a course in which he has failed:
- in the third courses of a Fine Art subject: Provided he has obtained:
 - a year mark of at least 50%;
 - at least 40% of the marks in the examination and has completed the third courses of two other Fine Art subjects; and
 - in one other course: Provided it is the last remaining requirement for his degree.
- (3) No student will be granted a supplementary examination if he fails a sub-minimum in any of the examination papers in the course concerned.

Distinction

FA.9. The degree shall be awarded with distinction to a student who obtains an average of 75% in all the fine art courses in the final year of study.

The Degree of Bachelor of Arts in Fine Arts (Honours)

- A candidate must have to his credit a recognized BA(FA) degree.
- A selection of examples of practical work must be submitted by the candidate on application to the Head of the Department of Fine Arts, who will decide whether the candidate will be accepted and whether the course will extend over one or two academic years. The duration of the course will depend on the standard of work submitted.

The Degree of Master of Arts in Fine Arts

An examination comprising two written papers and three groups of practical work. The two theoretical examinations must be passed simultaneously and the three practical sections must be passed simultaneously. All sections of the examination must be passed before the degree may be awarded.

- Presentation of not less than 6 works in the major field of study executed since admission to the university and not previously presented for examination.
- Presentation of not less than 6 drawings executed subsequent to completion of the B.A. Fine Arts degree.

3. Work to be executed in the major field of study under examination conditions during the examination session in November. (Work to be carried out on a set subject within 60 hours).
4. A three hour essay to be done under examination conditions during the examination session in November, on a subject connected with the candidate's special field of study.
5. A dissertation, the subject of which has been approved by the Head of Department and submitted before the 1st November. The dissertation must give evidence of independent enquiry and familiarity with the literature of the candidate's subject and should not be more than 10 000 words.

Diploma in Fine Arts

- | | |
|---|---|
| (i) <i>Name of Course:</i> | Diploma in Fine Arts. |
| (ii) <i>Duration of course</i> | Three years |
| (iii) <i>Content and structure of course:</i> | With the exclusion of the first-year B.A. ancillary subjects the course will basically correspond with the present B.A. (Fine Arts) course, as follows: |

First Year:

- (a) History of Art I (as for B.A. (Fine Arts) I)
- (b) Painting I or Sculpture I
- (c) Drawing I
- (d) Graphic Art I
- (e) Textile Design I
- (f) Pottery I

Although students will receive tuition in all the above-mentioned subjects, examinations will be done only in Drawing I and one of the following combinations:

Painting and either Graphic Art or Textile Design I

or

Sculpture I and either Graphic Art or Textile Design I.

Second Year:

- (a) History of Art II (as for B.A. (Fine Arts) II).
- (b) Painting II or Sculpture II.
- (c) Drawing II.
- (d) Graphic Art II.
- (e) Textile Design II or Pottery II.

(Further particulars may be obtained from the Head of the Department of Fine Arts).

Third Year:

- (a) History of Art III (as for B.A. (Fine Arts) III).
- (b) Painting III or Sculpture III.
- (c) One of the following (*provided a credit has been achieved in the second year of study*):
Graphic Art III; Pottery III; Textile Design III.
- (d) Aesthetics (as for B.A. (Fine Arts) III).

The Degree of Bachelor of Arts in Personnel Management

Duration of Curriculum

PM.1. The curriculum shall extend over three years of full-time study.

Composition of Curriculum

PM.2. The curriculum shall be as follows:

First year:
 Industrial Psychology I
 Sociology I
 Anthropology I
 Development Studies I
 Practical English

Second year:
 Industrial Psychology II
 Sociology (option Industrial Sociology) II
 Statistics I
 Development Policy and Administration II

Third year:
 Industrial Psychology III
 Sociology (option Industrial Sociology) III
 Social and Economic Legislation

Determination of Year of Study

- PM.3. (1) A student shall not be admitted to the second year of study unless he has completed Industrial Psychology I and Sociology I and at least two other courses.
- (2) A student shall not be admitted to the third year of study unless he has completed Industrial Psychology I and II and Sociology I and II (option Industrial Sociology) and at least four other courses.

Examination

- PM.4. (1) In order to complete a course, a student must comply with the requirements laid down in the general rules for a degree of bachelor and obtain a sub-minimum of at least 35% of the marks in each paper.
- (2) The year mark and the examination shall be combined in equal proportions.
- PM.5. (1) A student in his first and second year of study shall be admitted to a supplementary examination in a course in which he has failed: Provided he has obtained:
- a year mark of at least 50%;
 - at least 40% of the marks in the examination; and
 - the pass mark in at least two other courses at the same examination.
- (2) A student in his third year of study shall be admitted to a supplementary examination in a course in which he has failed:
- in the final course of a major subject: Provided he has obtained:
 - a year mark of at least 50%;
 - at least 40% of the marks in the examination and has completed the final course of his other major subject; and
 - in one other course: Provided it is the last remaining requirement for his degree.

- (3) No first, second or third year student will be granted a supplementary examination if he fails a sub-minimum in any of his examination papers in a particular course.
- PM.6. In the case of Social and Economic Legislation being the only outstanding course, a student will be allowed to take the course in Industrial Law at the University of South Africa to comply with the regulations.

Distinction

- PM.7. A student who obtains 75% of the marks in the final course in a major subject shall be awarded a pass with distinction in that subject.

The Degree of Bachelor of Arts in Personnel Management (Honours)

- PM.8. (1) This degree shall be governed by the general rules for the Honours Degree of Bachelor.
- (2) The candidate shall be registered in the Department of Sociology & Criminology and shall work under the joint supervision of the Head of that Department and the Head of the Department of Industrial Psychology.
- (3) To be admitted to study for the degree, a student must have obtained or been exempted from the degree of B.A. (Personnel Management) and such further specific admission requirements as may be prescribed shall be as stated in the syllabus concerned.
- (4) There shall be a sub-minimum of 40% for each paper.
- (5) The degree shall be conferred with distinction on a candidate who obtains an aggregate of 75% of the marks for the honours course.
- (6) The honours course shall ordinarily extend over two years of full time study, the examinations for Part I being written at the beginning or the end of the second year and for Part II at the end of the second year; but with the special permission of the joint supervisors, a candidate may be allowed to write the examination for both Parts at the beginning of the second year.

BA Personnel Management Honours

Part One

<i>Paper 1</i>	Personnel Psychology (P)
<i>Paper 2</i>	*Industrial Sociology/Industrial Relations (S)

Part Two

<i>Paper 1</i>	Group Dynamics (S)
<i>Paper 2</i>	Industrial Psychological Research Methods (P)
<i>Research project</i>	An investigation preferably in Industry, conducted by the candidate under the supervision of either the Department of Sociology or Industrial Psychology. Such a report will be presented for examination.

(p) Teaching conducted in the Department of Industrial Psychology.

(s) Teaching conducted in the Department of Sociology.

The Degree of Master of Arts in Personnel Management

- PM.9. (1) This degree shall be governed by the general rules for the degree of Master.
- (2) To be admitted to study for the degree, a candidate must have obtained or been exempted from the Honours degree of Bachelor of Arts in Personnel Management of the University.
- (3) The examination consists of a dissertation on a subject chosen by the candidate and approved at least six months before the dissertation is submitted, and may be accompanied by an oral examination in the general principles of industrial sociology or industrial psychology.

The Degree of Bachelor of Arts in Communication

Duration of Curriculum

- AC.1. The curriculum shall extend over three years of full-time study.

Selection of Courses

- AC.2. The curriculum shall consist of at least eleven but not more than twelve courses.

Composition of Curriculum

- AC.3. Students may choose from the following three options:

CHOICE A

- First year:
- (i) Communication I
 - (ii) English I
 - (iii) Psychology I
 - (iv) One of the following:
 - Sotho I
 - Xhosa I
 - Afrikaans-Nederlands I or Afrikaans I or
Praktiese Afrikaans (See rule A10(2)(i))
 - (v) One of the following:
 - Anthropology I
 - Philosophy I
- Second year:
- (i) Communication II
 - (ii) English II
 - (iii) One of the following:
 - Sotho II
 - Xhosa II
 - Afrikaans-Nederlands II or Afrikaans II
 - (iv) One of the following:
 - Psychology II
 - Political Science I
 - Anthropology II
 - Philosophy II
 - Criminology I
 - Development Policy and Administration I

- Third year:**
- (i) Communication III
 - (ii) One of the following:
 - English III
 - Sotho III
 - Xhosa III
 - Afrikaans-Nederlands III
 - (iii) One of the following, if necessary:
 - Political Science II
 - Development Policy and Administration II
 - Sociology I

Students considering Sotho or Xhosa as a major shall include African Thought and Literature I as required ancillary.

- CHOICE B**
- First year:**
- (i) Communication I
 - (ii) Political Science I
 - (iii) Sociology I
 - (iv) English I or Practical English
 - (v) One of the following:
 - Anthropology I
 - Economics I
 - Philosophy I
 - Psychology I

- Second year:**
- (i) Communication II
 - (ii) Political Science II
 - (iii) One of the following:
 - Sociology II
 - Anthropology II
 - Philosophy II
 - Development Policy and Administration I
 - (iv) One of the following:
 - English II
 - Sotho I
 - Xhosa I
 - Afrikaans-Nederlands I or Afrikaans I or
Praktiese Afrikaans (See rule A10(2)(ii))

- Third year:**
- (i) Communication III
 - (ii) One of the following:
 - Political Science III
 - Anthropology III
 - Sociology III
 - Philosophy III
 - (iii) One of the following, if necessary:
 - Criminology I
 - Economics I

Students considering Anthropology as their second major shall include Archaeology I as required ancillary.

CHOICE C

- First year:**
- (i) Communication I
 - (ii) Psychology I
 - (iii) English I or Practical English
 - (iv) One of the following:
 - Sotho I
 - Xhosa I
 - Afrikaans-Nederlands I or Afrikaans I or
 - Praktiese Afrikaans (See rule A10(2)(i))
 - (v) One of the following:
 - Economics I
 - Anthropology I
 - Philosophy I
- Second year:**
- (i) Communication II
 - (ii) Psychology II
 - (iii) Statistics I or Statistical Methods
 - (iv) One of the following:
 - Economics II
 - Philosophy II
 - Criminology I
 - Sociology I
- Third year:**
- (i) Communication III
 - (ii) One of the following:
 - Psychology III
 - Economics III
 - (iii) One of the following, if necessary:
 - Criminology II
 - Sociology II
 - Development Studies I

- AC.4.**
- (1) Subject to any provisions to the contrary in these rules, the rules of the ordinary degree of Bachelor of Arts shall apply.
 - (2) A student shall not take more than five courses in his first year of study, nor more than four courses in his second year of study, nor more than three courses in his third year of study.

Determination of Year of Study

- AC.5.** A student shall not be deemed to have entered his second year of study until he has passed or is registered for all the courses necessary for the completion of the curriculum for that year; and so similarly with the third year of study.

Examination

- AC.6.**
- (1) In order to complete a course, a student must comply with the requirements laid down in the general rules for a degree of bachelor and obtain a sub-minimum of at least 35% of the marks in each paper.
 - (2) The year mark and the examination shall be combined in equal proportions.
- AC.7.**
- (1) A student in his first, second and third year of study shall be admitted to a supplementary examination in a course in which he has failed: Provided that he has obtained:

- (i) a year mark of at least 50%;
 - (ii) at least 40% of the mark in the examination; and
 - (iii) the pass mark in at least two other courses at the same examination.
- (2) A student in his fourth year of study shall be admitted to a supplementary examination in a course in which he has failed:
- (a) in a third course of a major subject: Provided he has obtained:
 - (i) a year mark of at least 50%; and
 - (ii) at least 40% of the marks in the examination; and
 - (b) in one other course: Provided it is the last remaining requirement for his degree.
- (3) A student in his third year of study will be admitted to a supplementary examination in a course in which he has failed:
- (i) in a third course of a major subject: Provided he has obtained: a year mark or examination mark of at least 50%; an average of at least 45% for the year mark and examination combined, and has completed the third course of his other major subject;
 - (ii) in one other course: Provided it is the last remaining requirement for his degree.
- (4) No student in any year of study will be granted a supplementary examination in any course if he fails a sub-minimum in any of his examination papers for that course.

Distinction

AC.8. A student who obtains 75% of the marks in the third course in Communication shall be awarded a pass with distinction in the subject.

The Degree of Bachelor of Communication (Honours)

See also General Rules for Honours in the Faculty of Arts.

Admission

AC.9. Only persons who are in possession of a BA degree with Communication as a major subject shall be admitted to this degree.

Examination

AC.10. (1) The examination shall consist of five papers of three hours each.
 (2) There shall be a sub-minimum of 40% for each paper.

Distinction

AC.11. The degree shall be conferred with distinction on: a candidate who obtains an aggregate of 75% of the marks for the course.

The Degree of Master of Arts in Communication

See also General Rules for the degree of Masters.

Examination

AC.12. The examination consists of:

- (i) an oral examination on the proposed field of study, and
- (ii) a dissertation, showing evidence of independent research.

The Degree of Bachelor of Arts in Music

Admission Requirements

- (1) A student wishing to enrol for this course must a) have a matriculation exemption and b) satisfy the Head of Department in an entrance examination as to his practical and theoretical competence in music. This will require a minimal practical standard equivalent to Grade V (UNISA), with comparable theoretical knowledge. This will have to take place before registration; thus students may only be admitted provisionally.
- (2) Should a student wish to be readmitted after an absence of one year or longer, it will be required of him to pass a proficiency examination.

Determination of Year of Study

- (1) A student must pass four subjects from Nos. 1, 2, 3, 5, and 9, of which Nos. 5 and 9 are compulsory, before he may proceed to the next year of study.

<i>First Year</i>	<i>Periods per week</i>
1. Comprehensive Musicianship I	2
2. Harmony and Counterpoint I	4
3. History of Music I	4
4. Music Education I	2
5. Practical Music Study I	2
ONE to be chosen from:	
piano	
an accepted wind instrument (to be arranged	
an accepted string instrument) previously	
singing	
6. Method and Repertoire (pertaining to PMS) I	1
7. Recorder I	1
8. Aural training I	1
9. Any chosen language course I/History I	5
*Students not electing piano for PMS, are required to take a special course in Functional Piano Playing (2 years), the examination of which must be passed at the end of each year.	
	1

<i>Second Year</i>	<i>Periods per week</i>
1. Comprehensive Musicianship II	2
2. Harmony and Counterpoint II	4
3. History of Music II	4
4. Music Education II	2
5. Practical Music Study II	2
6. Method and Repertoire II	1
7. Recorder II	1
8. Aural training II	1
9. The chosen language course II/History II	5

<i>Third Year</i>	
1. Comprehensive Musicianship III	2
2. Harmony and Counterpoint III	4
3. History of Music III	4
4. Music Education III	2
5. Practical Music Study III	2
6. Method and Repertoire III	1
7. Recorder III	1
8. Aural training III	1
9. The chosen language course III/History III	5

Syllabi

DEPARTMENT OF AFRICAN STUDIES

(Anthropology, Archaeology and Development Policy and Administration)

ANTHROPOLOGY

Course IA and IB

(Anthropology IA consists of Papers one and two, while Anthropology IB consists of Papers one, two, three and a Practical)

Paper 1.

- (a) The scope and task of the subject
- (b) The concepts culture, society and people
- (c) Review of the basic Anthropological phenomena and general principles connected with economic and social organization, religious systems and systems of government and law.

Paper 2.

- (a) Review of the ethnic composition and a classification of the peoples of Africa
- (b) An ethnographic study of the Bushmen and Hottentots in general
- (c) Intensive ethnographic study of one Nguni group (Mpondo) and one Sotho group (Southern Sotho or Bapedi)
- (d) Introductory study of the contact between European and Bantu in South Africa and attendant anthropological problems.

Paper 3.

- (a) Introduction to Physical Anthropology and Human Genetics
 - (1) Introduction and scope of the subject
 - (2) Anthropometry
 - (3) Introduction to the biological history of man
 - (4) The concept race and a study of the distribution and racial divisions of the peoples of the world.

Course II (Two papers)

Paper 1.

- (a) An intensive study of the concepts culture and society.
- (b) Anthropological theories advanced in connection with social organization, political organization, economic organization, religion. (Students will be supplied with a reading list by the lecturer).

Paper 2.

- (a) Ethnography of Africa
 - (1) Selected studies of the peoples and cultures of Africa, excluding Southern Africa.
 - (2) Detailed studies of selected aspects of African culture.
- (b) Ethnography of the Pacific

- (1) Selected studies of the peoples and cultures of the Pacific Region, including India, Indonesia and Australia.

Course III
(Three papers)

Paper 1.

- (a) A study of the different anthropological trends and approaches with special reference to the 20th century.
(b) An introductory study of the methods and techniques of fieldwork in anthropology.

Paper 2.

- (a) An intensive study of the processes of cultural interchange in general, and of acculturation in a particular area or particular areas or among a particular people or particular peoples.
(b) Study of the application of anthropology in native administration, mission work, education and economic development in Africa.

Paper 3.

Selected studies of peoples and cultures from

- (a) North America
(b) South America

Honours

(Four papers and a written essay)

Paper A.

The history of Anthropological theory with special reference to current trends of thought.

Paper B.

- (a) Selected theoretical problems from the field of Anthropology.
(b) A study of the methods and techniques of fieldwork in Anthropology.

Paper C.

- Selected topics from the following:
 - Khoisan groups in archaeology, tradition and history.
 - Methods of oral history and their application in Southern Africa.
 - African arts in Southern Africa.
 - Settlement, material culture and development of Bantu groups in archaeology and ethnology.
- Advanced studies in Physical Anthropology as related to Southern Africa:
 - Primateology
 - Evolution of Man
 - Human Genetic Studies

Paper D.

- (a) An introduction to urban sociology and anthropology.
(b) A detailed study of the Black man's urban life, and a comparison with West Africa.

Paper E. An article of 20-30 typed folio pages (10 000-15 000 words) on a subject from the field of Anthropology, approved by the Head of the Department. The article must show proof of the candidate's ability to work independently. It must be of such a standard that it can be published.

The Honours examination shall be written in two parts, part I comprising the written papers and part II the article.

ARCHAEOLOGY

1. Archaeology is a two-course major. Students are encouraged not to take Course I before their second year.
2. Anthropology I is required to be taken with or before Course II. History, Geography and Geology are recommended subjects.
3. Practical classes are prescribed for both courses in Archaeology.
4. Students are expected to take part in fieldwork during university vacations when this is arranged.

Course I

(Two papers and a practical)

Paper 1.

- (a) Aims, scope and nature of archaeology and education.
- (b) Basic methods and techniques in fieldwork, laboratory study and interpretation used by the archaeologist.
- (c) Palaeoanthropology: an introduction to the concept of the evolution of man with emphasis on prehistoric human types of Southern Africa.

Paper 2.

- (a) An introduction to world Archaeology: the development of man the hunter; the origins and spread of agriculture; the early civilizations.
- (b) The Prehistory of Southern Africa.

Practical:

- (a) The study of human skeletal material.
- (b) Practical techniques in archaeology.

Course II

(Three papers and a practical)

Paper 1.

- (a) The history and development of archaeology.
- (b) Advanced methodology including the use of statistics.
- (c) The study of the environmental background to prehistoric man and his culture.

Paper 2.

- (a) Introduction to the study of the primates.
- (b) Palaeoanthropology: a detailed study of the origin and development of man.

Paper 3.

- (a) The archaeology of Africa (concentrating on a special area).
- (b) Prehistoric Art.

Practical:

Field and laboratory techniques in Archaeology and Physical Anthropology.

Honours

The Honours course consists of four written papers and an original piece of supervised practical work with a report on it. Students may complete the course in a minimum of one academic year together with its succeeding long vacation, during which the research work should be completed. Students are expected to take part in fieldwork during other vacations when this is arranged.

Paper A.

Selected problems in African prehistory.

Paper B.

Specialized practical, analytical and interpretative approaches and techniques in archaeology.

Paper C.

One or more topics from the following:

- (a) Quaternary geological studies in South Africa.
- (b) Faunal remains and their interpretation in archaeology.
- (c) Palynology, flora and climate.
- (d) Lithic analysis and statistical techniques.
- (e) Iron Age archaeology and its connections with oral and written history.

Paper D.

One or more topics from the following:

- (a) Advanced work in physical anthropology.
- (b) Ethnology of Southern Africa.
- (c) Other specialized fields.

Paper E.

A report suitable for publication on the results of fieldwork or laboratory research undertaken by the candidate under the supervision of the Department or its representative. This report must show use of relevant literature on the topics together with original inquiry.

DEPARTMENT OF DEVELOPMENT STUDIES**Course I****Paper 1.**

1. An introduction to the study of development.
2. The development of administrative systems in less-developed countries.
3. Introduction to political development in less-developed countries.

Paper 2.

4. The economic development of less-developed countries.
5. A case study of economic development in a less-developed country.
6. Human development: The development of educational systems in S.A.

Course II**Paper 1.**

1. Introduction to theories of economic development in less-developed countries.
2. Aspects of economic development.
3. Urban development.

Paper 2.

4. The development of local government systems in less-developed countries.
5. Education as a contributory factor in development.
6. Aspects of social development.

Course III

Paper 1.

1. Philosophies and theories of development.

Paper 2.

2. Community development.

Paper 3.

3. Aspects of political development.

Honours

Paper A.

1. Research methods.
2. Advanced theories of development.

Paper B.

3. Advanced theories of economic development in less-developed countries.

Paper C.

4. Political development in less-developed countries.

Paper D.

5. Social and human development in less-developed countries.

Paper E.

6. An essay on a selected topic in the field of study approved by the Head of the Department.

DEPARTEMENT AFRIKAANS-NEDERLANDS

PRAKTIESE AFRIKAANS

PRAKTIESE AFRIKAANS is 'n eenjarige, volwaardige graadkursus waarby die benadering egter *prakties* is, dit wil sê met die oog op die doeltreffende GEBRUIK van Afrikaans as kommunikasiemedium, mondellng sowel as skriftelik.

Alhoewel die leerplan vir Praktiese Afrikaans verskil van dié vir Afrikaans en Nederlands I is dit nie 'n "mindere" kursus nie en is die peil wat daarin gehandhaaf word sodanig dat studente dit nie sonder volgehoue studie deur die jaar sal kan slaag nie. Die verskil tussen die twee kursusse lê dus in aard, doel en benadering.

1. Hierdie kursus word deur die Gemeenskaplike Matrikulasieraad erken met die oog op vrystellingsdoeleindes vir Afrikaans standaardgraad op Matrikulasievlak.
2. Dis 'n afgeslote eenjarige kursus wat nie toegang tot Afrikaans en Nederlands II verleen nie, behalwe by hoë uitsondering.
3. Onderrig in die taallaboratorium en die bywoning van praktiese klasse is verpligtend.
4. 'n Mondelinge eksamen waarin taalgebruiksvaardigheid deeglik getoets word, vorm 'n integrale deel van die kursus.

L.W.: Kyk verder A10(2)(i-iii) en die bepalings in die eerste paragraaf onder Taallaboratorium.

Vraestel 1 (Taalkunde)

1. Stelwerk: opstel, vriendskaplike brief, sakebrief.
2. 'n Begripstoets wat in Afrikaans beantwoord moet word.
3. Vertaling uit Engels in idiomatiese Afrikaans.

4. Afrikaanse grammatika: Hoofsake van die Afrikaanse sinsleer, vormleer en betekenisleer.
5. Gepaste idioom- en stylgebruik.

Vraestel 2 (Letterkunde)

Basiese literêre leesvaardigheid aan die hand van tekste (prosa, poësie, drama).

AFRIKAANS-NEDERLANDS**Kursus I****Vraestel 1: (Taalkunde)**

1. Beknopte oorsig oor die ontwikkeling van die taalwetenskap: hoof trekke van grammatiese teorie.
2. Inleiding tot die Afrikaanse taalstruktuur: klank-, woord- en sinsleer.
3. Aspekte van Afrikaanse betekenisleer.

Vraestel 2: (Letterkunde)**Opsie Nederlandse letterkunde:**

- (i) Ontleding van Afrikaanse en Nederlandse tekste met die oog op die ontwikkeling van literêre leesvaardigheid.
- (ii) Lees kennis van Nederlands.

Kursus II**Vraestel 1: (Taalkunde)**

1. Voortgesette sistematies -linguistiese studie van die Afrikaanse taalstruktuur.
2. Proewe van funksionele analise van taalgebruik.

Vraestel 2:**A. Taalkunde**

Aspekte van die ontwikkeling / wording van Afrikaans.

B. Letterkunde (Poësie)

Ontleding van Afrikaanse en Nederlandse tekste met die oog op

- (a) kennismaking met strominge en figure en
- (b) literêre leesvaardigheid.

Vraestel 3: (Prosa en drama)

Ontleding van Afrikaanse en Nederlandse tekste met die oog op

- (a) kennismaking met strominge en figure en
- (b) literêre leesvaardigheid.

Kursus III**Vraestel 1: (Taalkunde)**

Gevorderde sistematies -linguistiese studie van die Afrikaanse taalstruktuur.

Vraestel 2: (Taalkunde)

Aspekte van die semantiek van Afrikaans.

Vraestel 3: (Poësie)

Ontleding van Afrikaanse en Nederlandse tekste met die oog op

- (a) nadere kennismaking met strominge en figure en
- (b) gevorderde kritiese leesvaardigheid.

Vraestel 4: (Prosa en drama)

Ontleding van Afrikaanse en Nederlandse tekste met die oog op

- (a) nadere kennismaking met stromingë en figure en
- (b) gevorderde kritiese leesvaardigheid.

AFRIKAANS**Kursus I****Vraestel 1: (Taalkunde)**

Dieselfde as vir Afrikaans-Nederlands I.

Vraestel 2: (Letterkunde/Taalgebruiksvaardigheid)

1. Ontleding van Afrikaanse tekste met die oog op die ontwikkeling van literêre leesvaardigheid.
2. Afrikaanse taalgebruiksvaardigheid.

Kursus II**Vraestel 1: (Taalkunde)**

Dieselfde as vir Afrikaans-Nederlands I

Vraestel 2: (Taalkunde/Letterkunde/Taalgebruiksvaardigheid)**A. Taalkunde**

Dieselfde as vir Afrikaans-Nederlands II

B. Poësie/Taalgebruiksvaardigheid

- (i) Ontleding van Afrikaanse tekste met die oog op:
 - (a) kennismaking met strominge en figure en
 - (b) literêre leesvaardigheid
- (ii) Afrikaanse taalgebruiksvaardigheid

Vraestel 3: (Prosa en drama)

Ontleding van Afrikaanse tekste met die oog op

- (a) kennismaking met strominge en figure en
- (b) literêre leesvaardigheid.

Kursus III**Vraestel 1: (Taalkunde)**

Dieselfde as vir Afrikaans-Nederlands III

Vraestel 2: (Taalkunde)

Dieselfde as vir Afrikaans-Nederlands III

Vraestel 3: (Poësie)

Dieselfde as vir Afrikaans-Nederlands III

Vraestel 4: (Prosa en drama)

Dieselfde as vir Afrikaans-Nederlands III

HONNEURS

Studente mag inskryf vir 'n honneurskursus in Afrikaans-Nederlands, of Afrikaanse Taal- en Letterkunde.

Afrikaans-Nederlands Honneurs

Die student kies in oorleg met die hoof van die departement vyf onderwerpe uit die gebied van die Afrikaanse en Nederlandse Taal- en Letterkunde.

Studente wat in die *Taalkunde* spesialiseer, moet 'n minimum van *een* onderwerp uit die Afrikaanse of Nederlandse letterkunde kies.

Studente wat in die *Letterkunde* spesialiseer, moet 'n minimum van *een* onderwerp uit die Afrikaanse en *een* uit die Nederlandse letterkunde kies, sowel as minstens *een* onderwerp uit die taalkunde.

Afrikaanse Taal en Letterkunde Honneurs

Die student kies in oorleg met die hoof van die departement vyf onderwerpe uit die gebied van die Afrikaanse Taal- en Letterkunde.

Studente wat in die *Taalkunde* spesialiseer, moet 'n raestel in die Algemene Taalwetenskap in hulle kursus insluit, asook minstens *een* onderwerp uit die gebied van die Afrikaanse letterkunde.

Studente wat in die *Letterkunde* spesialiseer, moet 'n raestel in Literatuurteorie en een in taalkunde in hul kursus insluit.

GERMAN
Special Course
(Two Papers)

Paper 1. Language

- (a) Accidence and syntax.
- (b) Idiom of the language and proverbial expressions.
- (c) Unseen translation from German into English or Afrikaans and vice versa.
- (d) Composition.
- (e) Comprehension tests which may be answered in English or Afrikaans.
- (f) Oral test.

Paper 2. Literature (Prose and poetry).

Question which may be answered in English or Afrikaans on prescribed German texts.

DEPARTMENT OF BIBLICAL STUDIES

Course I
(One Paper)

Section A. Old Testament.

- (a) Biblical Archaeology.
- (b) General introduction to the study of the Old Testament (Text, Canon, Versions).
- (c) Survey of the history of Israel from its inception until the destruction of the first temple.

Section B. New Testament.

- (a) Geography of the Bible lands.
- (b) General introduction to the study of the New Testament (Text, Canon, Versions).
- (c) Survey of the history and contents of the New Testament (1).

Course II

Paper 1. Old Testament.

- (a) Special introduction to the Old Testament literature up to the Captivity.

- (b) Introduction to the literary forms and types of the Old Testament.
- (c) Survey of the history of Israel from the destruction of the first temple to the destruction of the second temple.
- (d) Old Testament Theology (Part I).

Paper 2. New Testament

- (a) Survey of the history and contents of the New Testament (Part I).
- (b) Introduction to the literature of the New Testament (Part I).
- (c) Introduction to the literary forms and types of the New Testament.
- (d) New Testament Theology (Part I).

Course III

Paper 1. Old Testament.

- (a) An introduction to the Old Testament literature after the Captivity.
- (b) Old Testament theology (Part II).
- (c) The history of the religion of Israel.

Paper 2. New Testament.

- (a) Introduction to the literature of the New Testament (Part II).
- (b) New Testament Theology (Part II).
- (c) Introduction to New Testament Ethics.

Paper 3. Bible and Church.

- (a) The Bible in the early Church.
- (b) The Bible in the Reformation.
- (c) The Bible in the Roman Catholic Church.
- (d) The Bible and the Missionary.

Honours

(Candidates must take note of Rule A23.2)

Paper A.

- (a) A survey of the archaeology and history of the Ancient Near East as these apply to the life and institutions of Ancient Israel.
- (b) A study of the Inter-testamental period and its cultural, literary and ideological background.
- (c) Cultural, historical and religious background to the New Testament times.

Paper B.

- (a) A historical and critical account of the leading schools of Old Testament interpretation.
- (b) A historical and critical account of the leading schools of New Testament interpretation.

Paper C.

- (a) Theology of the Old Testament.
- (b) Theology of the New Testament.

Paper D.

- (a) Exegetical study of 8 chapters of the Old Testament.
- (b) Exegetical study of 8 chapters of the New Testament.

Paper E.

- (a) Selected themes in Biblical Theology.
- (b) Selected themes in Biblical Ethics.

DEPARTMENT OF CLASSICS

GREEK

Course IA
(One paper)

1. A study of the grammar (accidence and syntax) of Greek.
2. Translation of sentences and/or passages from and into Greek.
3. A survey of Christian Greek Literature.

Course IB
(Two papers)

1. Formal grammar of Greek.
2. Exercises in unseen translations and simple translations into Greek.
3. A study of selected chapters from the following prescribed books:
 - (a) The Greek New Testament: *John*.
 - (b) Xenophon: *Anabasis*, or
Clement of Rome: *First Epistle to the Corinthians*.
 - (c) *The Didache*.

(Translation, grammatical comment, context and background).

4. A survey of Greek history in the Hellenistic period (336-31 B.A.), with reference in particular to the nature of the Hellenistic State and cultural trends of the period.

Course II
(Three papers)

1. A study of Greek grammar, systematically and in relation to the history of the Greek language.
2. Exercises in unseen translation and prose composition.
3. A study of the following prescribed books:

(a) PLATO	<i>One Dialogue</i>
(b) EURIPIDES	<i>One Tragedy</i>
(c) HERODOTUS	<i>One Book</i>
or	
CLEMENT OF ROME	<i>First Epistle to the Corinthians</i>
and	
ANON	<i>Epistle to Diognetus</i>
(d) <i>The Acts of the Apostles</i>	
or	
HOMER	<i>One book of the Odyssey</i>

(Translation, grammatical annotation, explanation of context and content, and questions of a literary nature).

4. A survey of Greek history from about 1200 to 336 B.C., with particular reference to the *polis*, religion and thought.
5. A survey of Greek literature, with special reference to the above prescribed books.

Course III

(Four papers)

1. Detailed study of Greek grammar, both diachronically and synchronically.
2. Advanced prose composition and unseem translations.
3. A detailed study of the following prescribed books:

(a) SOPHOCLES *One Tragedy*(b) THUCYDIDES *One Book*(c) ARISTOPHANES *One Comedy*

or

PAUL *Two Epistles*(d) PLATO *One Dialogue*

or

GREEK PAPYRI *Selections*(e) HOMER *One Book of the Iliad*

or

CLEMENS OF ALEXANDRIA *Exhortation to the Greeks*

(Translations, comment on grammar and metre, textual criticism, explanation of context and content and questions of a literary nature).

4. A study of special period of Greek history including the study of primary sources.
5. A detailed study of special genres or periods of Greek literature, with special reference to the above prescribed books.

CLASSICAL CULTURE

(Two papers)

Paper 1

A general survey of Greek and Roman Civilization including the study of mythology, religion, architecture, and social, legal and economic life.

Paper 2 Option A

Classical literature including the study of selected Greek and Latin authors in translation.

OR

Option B

Ancient History including the study of the political, social, constitutional and military history of specific periods.

LATIN**Special Latin**

(One paper)

The Syllabus for Special Latin will be as follows:

- (1) an introduction to Roman history, Literature and social life
- (2) an introductory study of the Latin language with practical exercises
- (3) Selected readings from Latin authors.

Course I

(Two papers)

The course will consist of:

- (1) A study of specific problems in Roman History related to the texts to be read.

- (2) A study of the language of the prescribed authors including aspects of rhetoric and poetics, and further practice in translation, comprehension and interpretation.
- (3) The practical criticism of selected Latin texts and the study of their cultural and historical relevance.
Three or four texts will be selected from the writings of Tacitus, Vergil, Ovid, Pliny, Cicero or legal texts.

Course II

(Three papers)

The course will consist of:

- (1) A more detailed study of relevant aspects of Roman history presupposing the critical evaluation of secondary interpretations.
- (2) The study of the Latin language emphasising the stylistics of the prescribed authors and including practice in translation, comprehension and interpretation.
- (3) Four or five texts will be selected from the writings of Horace, Catullus, Livy, Cicero, Suetonius, or Tacitus.

Course III

(Three papers)

The course will consist of:

- (1) The interpretation of a special period of Roman history including the study of the epigraphic and numismatic sources together with the historiography of the primary authors.
- (2) The advanced study of the Latin language from selected illustrative texts. Further exercise in the receptive, productive and translative skills.
- (3) (a) The study of selected texts from authors in one of the following genres:
 - (i) epic
 - (ii) lyric
 - (iii) literary criticism and rhetoric.
- (b) Four or five texts will be selected from the writings of Terence, Plautus, Lucretius, Juvenal, Persius, Seneca, or Sallust.

DEPARTMENT OF COMMUNICATION**Course I****Paper 1** *Interpersonal Communication*

1. Introduction to the study of human communication.
2. The process of interpersonal communication.
3. Dyadic communication.

Paper 2 *Small Group and Public Communication*

1. Dynamics of small group communication.
2. Effects of small group communication.
3. Introduction to rhetoric.
4. Public speech communication.

Course 2**Paper 1** *Mass Communication*

1. Process of Mass Communication
2. Mass Communication in Society.
3. Mass Communication in Africa.

- Paper 2** *Intercultural and Political Communication*
1. Functions of communication in developing societies.
 2. Principles and practices of intercultural communication.
 3. International Communication.
 4. Political Communication in modern society.

Course 3(A)

- Paper 1** *Journalism*
1. News and News reporting.
 2. Newspaper, radio and TV journalism.
 3. Ethical aspects of mass communication.

- Paper 2** *Media Studies*
1. Functional approach of mass media.
 2. Nature and functioning of print media.
 3. Nature and functioning of broadcast media.

- Paper 3** *Public Relations and Advertising*
1. Principles of Persuasive Communication.
 2. Public Relations.
 3. Advertising.

Course 3(B)

- Paper 1** *Industrial Journalism*
1. Dissemination of Information in the organisation.
 2. Organisational media.
 3. Principles and practices of Industrial Journalism.

- Paper 2** *Organisational Communication*
1. Communication structure of organisations.
 2. Communication networks.
 3. Problem solving and decision making.

- Paper 3** *Public Relations and Advertising*
1. Principles of persuasive communication.
 2. Public Relations.
 3. Advertising.

HONOURS

The first two papers are compulsory. Students select three additional papers in consultation with the Head of the Department.

- Paper A** Fundamental Communication
Paper B Methodology
Paper C Interpersonal Communication
Paper D Mass Communication
Paper E Public Relations and Advertising
Paper F Journalism OR Industrial Journalism
Paper G Television and Film
Paper H Instructional Communication
Paper I Intercultural and Development Communication
Paper J Organisational Communication
Paper K Persuasion and Guidance
Paper L International and Political Communication

DEPARTMENT OF CRIMINOLOGY**Criminology I**

1. General Introduction to Criminology as a scientific discipline.
2. Analysis of the crime phenomenon in RSA.
3. Introduction to Clinical Criminology.
4. Introduction to Forensic Criminology.
5. Juvenile delinquency: its nature, extent and treatment.

Criminology II

Paper 1: Criminological Theory: The history of criminology with reference to the various Schools.

Paper 2: (Candidates must take ONE of the following fields: the choice of field is subject to the approval of the Head of the Department.

1. Clinical Criminology A
2. Forensic Criminology A

Criminology III

Paper 1: Criminological Theory: The contributions of certain individual criminologists.

Paper 2: Criminological Research Methodology.

Paper 3: (Candidates must take ONE of the following fields; the choice of field is subject to the approval of the Head of the Department).

1. Clinical Criminology B
2. Forensic Criminology B

NOTE: NO STUDENT MAY TAKE FORENSIC CRIMINOLOGY B IN THE THIRD COURSE UNLESS HE HAS PASSED FORENSIC CRIMINOLOGY A IN THE SECOND COURSE.

NO STUDENT MAY TAKE CLINICAL CRIMINOLOGY B IN THE THIRD COURSE UNLESS HE HAS PASSED CLINICAL CRIMINOLOGY A IN THE SECOND COURSE.

Honours

The Honours examination comprises three papers in PART I and two papers in PART II. Parts I and II may be written together or separately. A student must have passed Criminal Law I of this or another recognised University in order to be admitted to the Hons course.

Part I

Paper A. Advanced Criminology Theory

Paper B. Criminological Research Methodology

Paper C. The candidate must submit a research report of limited extent on a subject approved by the Head of the Department. The completed research report must show proof of the candidate's ability to work independently and must be of such a standard that it can be published.

Part II

Two papers selected from the following in consultation with the Head of the Department.

<i>Paper D</i>	Clinical Criminology
<i>Paper E</i>	Forensic Criminology
<i>Paper F</i>	Victimology
<i>Paper G</i>	Penology

NOTE: NO STUDENT MAY TAKE FORENSIC CRIMINOLOGY IN THE HONS COURSE UNLESS HE HAS PASSED FORENSIC CRIMINOLOGY A AND B IN THE UNDERGRADUATE COURSES.

NO STUDENT MAY TAKE CLINICAL CRIMINOLOGY IN THE HONS COURSE UNLESS HE HAS PASSED CLINICAL CRIMINOLOGY A AND B IN THE UNDERGRADUATE COURSES.

Master's Examination

The examination consists of a dissertation on a subject proposed by the candidate and approved by the Head of the Department and the Senate.

DEPARTMENT OF ENGLISH

PRACTICAL ENGLISH

This course is intended for students desiring to take an academic course in English in which the emphasis is on language and communication rather than on the close study of literature. Its purpose is to train students in clear thinking and precise and lucid expression. The course aims at providing knowledge of and practice in the various registers of English which may be useful to students reading for degrees other than an Arts degree. It includes training in the use of English in various practical situations in life, such as, attendance at meetings, elections to committees, handling of reports, notices and communications of various kinds.

The Practical English Course does not lead on to English II.

Two papers will be set. These will test the student's understanding and use of English. The examination questions will require the student to understand and use a variety of registers and styles appropriately and grammatically. Questions on the prescribed texts will be included in both papers.

Paper 1 will be concerned with the interpretation of written English and will test:

- reading comprehension
- reading speed
- reference skills
- interpretation of a variety of styles and registers of English (e.g. in literature, advertising, scientific texts)
- interpretation of figures, statistics and diagrams

Paper 2 will test the student's ability to write English for a number of different purposes and will cover questions on

- letter writing
- report writing
- essay writing
- the writing of minutes and agenda

the writing of notes, summaries and precis
 the writing of simple press reports and statements
 figures, statistics and diagrams into language

Work in the Language Laboratory will be compulsory and an oral and/or listening test may be set at the end of the year.

ENGLISH

Course I

- Paper 1:** *Learning and Writing* — A course in language skills and effective essay composition.
- Paper 2:** *The Practice of Criticism* — A course in the basic methods of literary analysis and comprehension, especially of poetry.
- Paper 3:** *Literature in History* — A series of literary texts examined against the background of their period and historical context.

Course II

- Paper 1:** (a) *The Medieval Period*
 (b) *The Elizabethan Renaissance*
- Paper 2:** (a) *Modern Poetry*
 (b) *The Modern Novel*
- Paper 3:** (a) *South African Literature*
 (b) *English in Africa*

Course III

- Paper 1:** *Poetry of Two Periods: Romantics and Contemporaries*
- Paper 2:** *The Elizabethans and Shakespeare*
- Paper 3:** *The Novel: the Victorian Age to the Modern*
- Paper 4:** *Critical Analysis of material not prescribed*

Honours

A choice, subject to the approval of the Head of the Department, of *five* of the following papers:

- Paper A.**
 Literary Criticism.
- Paper B.**
 The 14th and 15th Centuries.
- Paper C.**
 1558—1625.
- Paper D.**
 1635—1700.

Paper E.

Victorians.

Paper F.

Romantics.

Paper G.

The Modern Period.

Paper H.

African literature in English

Paper I.

Subject to the approval of the Head of the Department, a candidate may elect to submit an extended essay of not more than 10 000 words in place of one of the above examination papers.

Prescribed Books

The list of prescribed works is obtainable, upon request, from the Head of the Department of English.

SPECIAL FRENCH

The teaching of French will, until further notice, fall under the aegis of the Department of English. Literature will be prescribed from time to time by the lecturer concerned.

First Semester

Audio-Visual language training: LEVEL I

Grammar: phonemes, graphemes, fundamental constructions

Second Semester

Audio-visual language training: LEVEL I

Grammar: fundamental and more elaborate constructions

L'Explication française: textual analysis

Twentieth century literature: general introduction

French I**Syllabus****First Semester**

Audio-visual language training: LEVEL II

Grammar: phonemes, graphemes, fundamental constructions

French literature: Literature will be prescribed from time to time by the lecturer concerned.

Second Semester

Audio-visual language training: LEVEL II

Grammar: more elaborate constructions

L'Explication française: textual analysis

French literature: Literature will be prescribed from time to time by the lecturer concerned.

DEPARTMENT OF FINE ARTS

HISTORY OF ART

Course I

(Two papers)

A broad survey of the main art movements from pre-history to the present. The fields of painting, sculpture and architecture are studied.

Course II

(Two papers)

A detailed study of the art of pre-history, and the arts of Africa, Oceania and Asia.

Course III

(Two papers)

A detailed study of the art of the twentieth century.

Honours

The examination will comprise the following five papers:

Paper A.

A chosen field from the history of painting.

Paper B.

A chosen field from the history of sculpture.

Paper C.

A chosen field from the history of architecture.

Paper D.

A second choice from one of the above mentioned fields or from the fields of design and the applied arts.

Paper E.

Appreciation of art.

If so chosen by the student, one of the papers can take the form of an extended essay.

VISUAL COMMUNICATIONS

(One paper)

A *one-year* course that studies the artistic relevance of media communication systems and techniques.

FINE ARTS

Course I

(a) History of Art I: As for B.A.

- (b) Fine Art Practice *or*
Ceramic Art I *or*
Tapestry Art I *or*
Photo-Graphics I: Image creation through specific techniques.
- (c) Art of Drawing I: A study of organic and inorganic forms showing how these inspire the artist.
- (d) Technique and Method: A study of the techniques used by artists in the creation of art works.

Course II

- (a) History of Art II: As for B.A.
- (b) Painting II *or*
Sculpture II *or*
Graphic Art II *or*
Ceramic Art II *or*
Tapestry Art II *or*
Photo-Graphics II: Further studies in image creation; compositional elements, techniques and structural artistic forms.
- (c) Art of Drawing II: Continuation of Course I with emphasis on the human figure posed and in motion.
- (d) History of Ornament: A study of historical ornament from pre-history to the present day.
- (e) Visual Communications: As for B.A.

Course III

- (a) History of Art III: As for B.A.
- (b) Painting III *or*
Sculpture III *or*
Graphic Art III *or*
Ceramic Art III *or*
Tapestry Art III *or*
Photo-Graphics III: Advanced studies in image creation and manufacture.
- (c) Aesthetics: An in depth study of artistic theory relative to the creation of art works.

Fine Arts Honours

The examination will comprise the following five papers:

Papers A, B, C

Three papers in the chosen major practical field of study. Two papers will be done under examination conditions and the third paper will take the form of an exhibition of work done

during the duration of the course.

Paper D.

An examination set on a study of a chosen field from the History of Art.

Paper E.

An extended essay on an approved topic.

Master of Arts in Fine Arts

An examination comprising two written papers and three groups of practical work. The two theoretical examinations must be passed simultaneously and the three practical sections must be passed simultaneously. All sections of the examination must be passed before the degree may be awarded.

Paper A.

Presentation of not less than 6 works in the major field of study executed since admission to the university and not previously presented for examination.

Paper B.

Presentation of not less than 6 drawings executed subsequent to completion of the B.A. Fine Arts degree.

Paper C.

Work to be executed in the major field of study under examination conditions during the examination session in November. (Work to be carried out on a set subject within 60 hours).

Paper D.

A three hour essay to be done under examination conditions during the examination session in November, on a subject connected with the candidate's special field of study.

Paper E.

A dissertation, the subject of which has been approved by the Head of Department and submitted before the 1st November. The dissertation must give evidence of independent enquiry and familiarity with the literature of the candidate's subject and should not be more than 10 000 words.

Diploma in Fine Arts

Course I

- (a) History of Art I (as for B.A. (Fine Arts) I)
- (b) Painting I or Sculpture I
- (c) Drawing I
- (d) Graphic Art I
- (e) Textile Design I
- (f) Pottery I

Although students will receive tuition in all the above-mentioned subjects, examinations will be done only in Drawing I and one of the following combinations:

Painting and either Graphic Art or Textile Design I

or

Sculpture I and either Graphic Art or Textile Design I.

Course II

- (a) History of Art II (as for B.A. (Fine Arts) II).
- (b) Painting II or Sculpture II.
- (c) Drawing II.
- (d) Graphic Art II.
- (e) Textile Design II or Pottery II.

Course III

- (a) History of Art III (as for B.A. (Fine Arts) III).
- (b) Painting III or Sculpture III.
- (c) One of the following (*provided a credit has been achieved in the second year of Study*):
Graphic Art III; Pottery III; Textile Design III.
- (d) Aesthetics (as for B.A. (Fine Arts) III).

DEPARTMENT OF HISTORY**General Remarks:**

Students intending to take history as a major subject are strongly advised to

- (a) take at least one qualifying course in one of the following subjects: Political Science, Anthropology, Geography, Economics, Philosophy or Sociology, and
- (b) to acquire a reading knowledge of Afrikaans.

Course I**Paper 1.**

- (a) Introduction to the theory and method of History.
- (b) A general survey of the History of Western Civilization.

Paper 2.

A survey of the History of Southern Africa with special references to early migrations.

Course II**Paper 1.**

- (a) Elementary theory and research technique.
- (b) Selected themes from the History of Europe from the Renaissance to 1871.

Paper 2.

- (a) Selected themes from the History of South Africa from the Voyages of Discovery to 1902.
- (b) Pre-colonial Africa to 1870. (Excluding South Africa)

Course III**Paper 1.**

Selected themes from the History of Europe from 1871 to the present.

Paper 2.

- (a) Advanced research technique and South African historiography. (ii)
 (b) Africa since 1870: including the New Imperialism, anti-colonialism, Black Nationalism and Pan-Africanism.

Paper 3.

Selected themes from the History of South Africa from 1902 to the present.

Honours**General Remarks:**

Reading knowledge of both official languages is assumed and it is strongly recommended that reading knowledge of German and/or French be acquired.

This course may be done in two parts. Part *one* to consist of papers 1 and 2; and part *two* of papers 3, 4 and 5. The student may do the course in one year. Examinations will be held in February. The research project in Paper 2 must be handed to the Department of History before 30 November in the year preceding the writing of the examination for Paper 1. As far as possible, the Honours student will be required to work from original or published documents.

Paper A.

Philosophy of History; historiography; advanced research technique.

Paper B.

A research project on a local history topic, approved by the Head of the Department.

Paper C.

A selected theme on international relations since 1914.

Paper D.

A theme on the history of Africa (excluding South Africa). A documentary study.

Paper E.

A theme on the history of the Black peoples of Southern Africa. A documentary study.

MA

An MA student is expected to complete a dissertation on a subject which, in consultation with the Head of the Department, met with the Senate's approval.

General Remarks:

1. Any student intending to proceed with MA after completing the BA (Hons) course has to pass an oral examination on the period to be covered in his dissertation and on bibliography and historical apparatus.
2. If a student intends to proceed with MA a considerable length of time after completing the Honours course, he has in addition to above mentioned qualifications to meet with his promoter's approval concerning his knowledge of historical method and technique and South African historiography.
3. A student intending to proceed with MA is expected to do full-time research work for at least one year.

DPhil

A thesis is required as well as an oral examination on the period to be covered by the thesis.

General Remarks:

- (i) The DPhil thesis has to be an original contribution to the knowledge of History.

- It should furnish evidence of insight, critical faculty and synthetical approach.
- (ii) After final submission of the thesis the candidate is required to account orally for the thesis before his examiners.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

LIBRARY SCIENCE

Course I

(Two three-hour papers)

- Paper 1** Historical Librarianship I
- Development of writing
 - Development of printing
 - Writing surfaces and bookforms through the ages
 - Bookbinding
 - Serials
 - The booktrade
 - Modern technology: reprography, sound recordings, audio-visual material, computers
- Paper 2** Library Administration I
- Introduction to library science
 - General principles of management, administration and organisation — general organisational structures
 - Objectives and functions of the major types of libraries
 - Organisation of technical and reader services
 - The public library

Course II

(Two three-hour papers)

- Paper 1** User studies I
- Review of history and development of the reading process
 - Aspects of the reading event: the reading act, categories of reading material, reader typology, reader needs and the provision of library material
 - Criteria and principles of selection of library material
 - Purpose and function of book selection: aids to selection: evaluation for books and their acquisition in libraries
 - Book selection for different types of libraries
 - Balance and weeding of the library stock
 - A study of children's literature
- Paper 2** Library Administration II
- Organisational structures in libraries, hierarchy in libraries
 - Public relations
 - Academic, national, special and school libraries
 - National and international library cooperation
 - Controlling bodies and committees
 - Legislation for libraries

Course III
(Three three-hour papers)

- Paper 1** **User studies II**
- (a) Influence of reading, bibliotherapy
 - (b) Biblio-sociology and biblio-psychology impact of reading on society and on the individual in terms of the objectives of library and information services, eg leisure-time reading, information transfer and use of science and industry, etc.
 - (c) The book in the modern society
 - (d) Relation between the book and other communication media
 - (e) The influence of mass media on reading habits
 - (f) Problems in readership; methodology of readership
 - (g) Building a library collection — censorship, copyright
- Paper 2** **Library Administration III**
- (a) Departmentalization
 - (b) Finance
 - (c) Personnel management
 - (d) Planning and design of library buildings and equipment
 - (e) Library organisations, the library profession
- Paper 3** **Museums and archives**
- (a) Similarities and differences between libraries and museums and archives
 - (b) History of and the need for museums and archives
 - (c) Organisation, functions, material and use of museums and archives

Course IV
(Two three-hour papers)

- Paper 1** **Historical Librarianship II**
- (a) Evolution of the library since antiquity
 - (b) Institutionalisation of the record in libraries
 - (c) Periodisation of the history of librarianship
 - (d) The emergence of information science and its challenge to traditional librarianship
 - (e) History and development of the library in South Africa.
- Paper 2** **Library Administration IV**
- (a) Computerization of internal and external bibliographic control
 - (b) Work analysis
 - (c) Systems analysis
 - (d) Computerization of library subsystems
 - (e) Modern organisational theory

INFORMATION SCIENCE**Course I**

(Two three-hour papers)

- Paper 1** Reference work I
- Introduction to information science
 - The reference process
 - Information sources: bibliographic sources, ready reference sources, other sources eg government publications, periodicals, annuals, etc.
 - Bibliographic control of information
 - Literature searches

- Paper 2** Theory of cataloguing and classification
- Introduction to cataloguing and classification
 - Basic principles relating to bibliographic classification
 - Basic outline and structure of Dewey Decimal Classification
 - Relationship between cataloguing and classification
 - Objectives and functions of and the need for catalogues
 - Kinds of library catalogues — outer and inner forms
 - Reading a book for cataloguing: components of a catalogue card

Course II

(Three three-hour papers)

- Paper 1** Practical classification and indexing
- Practical classification with DDC
 - Subject analysis with Sears List of Subject Headings
 - Chain indexing

- Paper 2** Practical cataloguing
- Practical bibliographic description using AACR 2
 - Subject cataloguing
 - Filing catalogue cards using ALA filing rules

- Paper 3** Reference work II
- Research techniques
 - Specialized information sources and their bibliographic control
 - Abstracting
 - Interaction of information systems, users and documents
 - Dissemination of information

Course III

(Three three-hour papers)

- Paper 1** Micro retrieval
- Pre-coordinate indexing systems:
Verbal approach: subject headings and indexes: PRECIS, etc. Classified

approach: Classification and classification schemes—history, structure, evaluation and comparison of schemes, eg DDC, UDC, LC, CC, BC, etc.

- (b) Special classification schemes, new developments, automatic classification
- (c) Practical exercises with PRECIS

Paper 2 Bibliographic description

- (a) History of cataloguing and cataloguing codes
- (b) Cooperative cataloguing, shared- and centralised cataloguing eg UNICAT, BNE, NUC, etc., annotation
- (c) Machine-readable bibliographic data bases and networks, eg MARC OCLOC, DOBIS, UNISIST, etc.
- (d) Machine readable bibliographic description
- (e) Practical work — advanced cataloguing

Paper 3 Reference work III

- (a) Bibliographic tools
- (b) Compiling bibliographies
- (c) Preparation of material for the press — proof reading and correction
- (d) Bibliographic reference techniques
- (e) Reprography

Course IV

(Two three-hour papers)

Paper 1 Information processing and retrieval

- (a) Indexing languages and thesaurus construction
- (b) Post-coordinate indexing — term entry and item entry systems, manual and mechanised systems, post-coordinate indexing languages eg Uniterm, Termatrix, etc
- (c) Use of computers in indexing

Paper 2 Information systems and services

- (a) Dissemination of information on a national and local level
- (b) International information systems
- (c) Automated document retrieval systems; data bases
- (d) Microforms: technology, bibliographic control, microforms in South Africa.

Honours

(Four three-hour papers)

A candidate shall be examined in specific subjects in the following four fields, chosen in consultation with the Head of the Department:

- Paper A** Philosophy and historiography of Library Science
- Paper B** Library management
- Paper C** Information Science
- Paper D** User studies

BA MUS

Periods per week

First Year

- | | |
|--|---|
| <p>1. Comprehensive Musicianship: Course I</p> <p>(a) The basic material and properties of music</p> <p>(i) Tone</p> <p>(ii) Time elements</p> <p>(iii) Melody</p> <p>(iv) Harmony and tonality</p> <p>(v) Texture</p> <p>(vi) Dynamics</p> <p>(b) Musical mediums</p> <p>(i) Vocal</p> <p>(ii) Instrumental</p> <p>(c) Principles of musical structure</p> <p>(i) General principles</p> <p>(ii) Sectional structures</p> <p>(iii) Variation forms</p> <p>(iv) Larger sectional forms</p> <p>(v) Principal contrapuntal forms</p> <p>(vi) Free forms</p> <p>(vii) Compound structures</p> | 2 |
| <p>2. Harmony and Counterpoint: Course I</p> <p>A. (a) Simple part-writing procedures with I, IV and V (i, iv, v)</p> <p>(b) More advanced part-writing procedures, incorporating the secondary chords ii, iii, vi, vii^o (and equivalents in the minor key)</p> <p>(c) The Dominant Seventh Chord</p> <p>(d) Unaccented passing-notes and suspensions</p> <p>(e) Harmonization of a figured bass and a melody</p> <p>(f) Keyboard harmony</p> <p>(g) Elementary melody-writing</p> <p>B. (a) Species counterpoint</p> | 4 |
| <p>3. History of Music: Course I</p> <p>(a) The music of Ancient Greece</p> <p>(b) The monophony of the Early Christian Church</p> <p>(c) Secular music in the Middle Ages</p> <p>(d) The origin of polyphony and Ars Antiqua</p> <p>(e) Ars Nova in France and Italy</p> <p>(f) The late Gothic period: English and Burgundian Schools</p> <p>(g) The Renaissance: the Netherlands, Venetian, and Roman tradition</p> <p>(h) The frottola and lauda, madrigal, chanson, German chorale</p> <p>(i) Instrumental music</p> | 4 |
| <p>4. Music Education: Course I</p> <p>(a) Music in the modern school curriculum</p> <p>An introduction to the philosophical and psychological foundations of music education designed to enable the student to formulate a point of view concerning such questions as: <i>Why teach music? — What are the essential components of an</i></p> | 3 |

effective school music programme? — What part does music education play in the total development of the individual?

(b) Fundamentals of teaching music

An introduction to the "didactics" of teaching music in which attention is given to the application of general pedagogical concepts and principles.

5. Practical Music Study: Course I

2

Piano

(i) Technical exercises

(ii) Scales and arpeggios

(iii) Sight reading

(iv) Repertoire:

(7 pieces to be studied of which 3 must be presented at the end of the year)

(a) 2 studies

(b) 1 Baroque piece

(c) 2 classical pieces (may include separate pieces of movements from different sonatas, one of which must be by Beethoven)

(d) 1 Romantic piece

(e) 1 Impressionistic or Modern piece

*Lists of graded pieces are available in the Department of Music

**The programme to be presented at the end of the year must consist of: 1 study, 1 Baroque piece, 1 Classical piece/1 Romantic piece.

Singing

(i) Technical exercises

(ii) Two vocalizzi

(iii) Sight reading (unaccompanied)

(iv) Repertoire: 9 graded songs, in at least three languages; to be studied as exercises in style.

4 additional graded songs, in at least three languages; these are to be presented at the end of the year, and must be sung from memory.

Wind and String Instruments: Available on request

6. Method and Repertoire: Course I

1

7. Recorder: Course I

1

(Descant only)

Basics of tone production and articulation; developing an elementary technique, incorporating as well as building up a range of a thirteenth, namely, from low C to high A; simple major and minor scales; learning of appropriate pieces, including duets and/or accompanied works.

8. Aural training

(a) Recognition of rhythmic and time structures

(b) Singing of intervals (above and below a given note)

- (c) Recognition of major, minor, augmented, diminished triads.

Second Year**Periods per week**

1. **Comprehensive Musicianship: Course II** 2
- (a) *The categories of musical literature*
- (i) Solo and chamber music
 - (ii) Symphonic music (including the instruments of the orchestra)
 - (iii) Opera (its components, types)
 - (iv) Dance music
 - (v) Ballet
 - (vi) Folk and ethnic music (including Nationalism)
 - (vii) Religious music
 - (viii) Absolute and programme music
- (b) *Musical style*
- (i) Periods
 - (ii) Geographic areas
 - (iii) Individual composers
 - (iv) Religious and secular music
 - (v) Mediums
 - (vi) Forms
 - (vii) Virtuosity
- (c) *Musical repertoire*
2. **Harmony and Counterpoint** 5
- A.
 - (a) Modulation to closely-related keys
 - (b) The Dominant Ninth Chord
 - (c) The Super-tonic Seventh Chord
 - (d) Altered chords and borrowed chords
 - (e) Secondary dominant chords
 - (f) Unaccented and accented passing-notes and suspensions
 - (g) Harmonization of a figured bass and of a melody
 - (h) Keyboard harmony
 - (i) Melody-writing: setting words to music
 - (j) Harmonic analysis
- B.
 - (a) Free two- and three-part counterpoint (vocal and instrumental)
 - (b) Analysis of selected examples
3. **History of Music: Course II** 5
- (a) *The Baroque Period*
- (i) General considerations
 - (ii) Vocal chamber music
 - (iii) Opera in Italy
 - (iv) Opera in other countries
 - (v) Religious music
 - (vi) Instrumental music
 - (vii) The culmination of instrumental and vocal music
- (b) *The Pre-Classical Period*
- (i) Style galant and Empfindsamkeit

- (ii) Prominent composers
4. Music Education: Course II 3
- (a) *Musical development in children*
An investigation of the contributions of various educational psychologists (e.g. Piaget, Bruner) and the implications of their theories for music education.
- (b) *The method of teaching music*
Various methodologies, strategies, techniques, and general approaches to teaching music are examined and tested out. Attention is given to lesson planning, devising schemes of work, organizational considerations, media and use of material resources.
5. Practical Music Study: Course II 2
- Piano*
- (i) Technical exercises
- (ii) Scales and arpeggios
- (iii) Sight reading
- (iv) Repertoire:
(7 pieces to be studied of which 4 must be presented at the end of the year)
- (a) 2 studies
- (b) 1 complete Baroque work
- (c) 1 complete Classical work
- (d) 2 Romantic pieces
- (e) 1 Impressionistic or Modern piece
- *The programme to be presented at the end of the year must consist of: 1 complete Baroque work, 1 complete Classical work, 1 Romantic piece, 1 Impressionistic or Modern piece
- Singing*
- (i) Technical exercises
- (ii) One vocalise
- (iii) Sight reading (one accompanied, another unaccompanied)
- (iv) Repertoire: 9 graded songs, in at least three languages, to be studied as exercises in style.
4 additional graded songs, in at least three languages; these are to be presented at the end of the year, and must be sung from memory.
1 graded ensemble work, to be sung from memory.
- Wind and String instruments: Available on request.
6. Method and Repertoire: Course II 1
7. Recorder: Course II 1
- (Descant plus Treble or Sopranino)
Improvement of technical facility and introduction of alternative fingering; developing intonation, timbre and balance awareness; increasing the range to two octaves; additional major and minor scales with corresponding arpeggios;

chromatic scale, employing known range; developing ability to alternate between F and C recorders; ensemble experience.

8. Aural training: Course II 1
- Recognition of major and minor chords in root position and inversions
 - More advanced rhythmic and time structures
 - Singing of a second melody (below and above)
 - Recognition of cadences (perfect, imperfect, plagal, interrupted)

Third Year

1. Comprehensive Musicianship: Course III 2
- Elementary composition and introduction to Orchestration
 - Conducting and Choral training
2. Harmony and Counterpoint: Course III 5
- A.
- The Neapolitan Sixth Chord
 - Augmented sixth chords: Italian, French, German
 - The Diminished Seventh Chord
 - The Diatonic Seventh Chords
 - Advanced modulation
 - Harmonization of a bass, and of a melody
 - Keyboard harmony
 - Advanced melody-writing
 - Harmonic analysis
- B.
- Fugal devices
 - Analysis of selected examples
3. History of Music: Course III 5
- The Classical Period
 - General considerations
 - The Viennese School
 - Instrumental music
 - Opera
 - Religious music
 - Sturm und Drang
 - Beethoven
 - The Romantic Period
 - General considerations
 - Opera
 - Oratorio and Choral Music
 - The solo song
 - Piano music
 - Instrumental ensemble (incl. symphonic) music
 - Nationalism in music
 - Twilight of Romanticism
 - Impressionism

(d) *The Twentieth Century*

- (i) Expressionism
- (ii) Serial Music
- (iii) Avant garde

4. Music Education: Course III

3

(a) *The Psychology of Music Teaching*

Includes inter alia; theories of perception; the nature of wave movement and its interpretation by the brain; musical aptitude — its source, description and measurement; and the sequence of musical development and learning.

(b) *Evaluation in Music Education*

The intangible nature of musical experience and the problem of objectivity in assessing musical growth and achievement, types and means of evaluation and applicable criteria.

(c) *Content in Music Education*

A consideration of what should be included in a school music programme together with an analysis and evaluation of existing syllabi.

(d) *Practice teaching*

The application of acquired knowledge and experience to simulated and real classroom situations.

5. Practical Music Study: Course III

2

Piano

- (i) Technical exercises
- (ii) Scales and arpeggios
- (iii) Sight reading
- (iv) Repertoire:

(7 pieces to be studied of which 4 must be presented at the end of the year)

- (a) 2 studies
- (b) 1 complete Baroque work
- (c) 1 complete Classical work (a work by Beethoven)
- (d) 2 Romantic pieces
- (e) 1 Impressionistic or Modern piece

*The programme to be presented at the end of the year must consist of: 1 complete Baroque work, 1 sonata by Beethoven, 1 Romantic piece, 1 impressionistic or Modern piece.

Singing

- (i) Technical exercises
- (ii) Sight reading (one accompanied, another unaccompanied)
- (iii) Repertoire:

1 graded piece in at least three languages, are to be studied as exercises in style, and must be sung from memory.

4 additional pieces, in at least three languages, these are to be presented at end of the year, and must be sung from memory.

1 short cycle must also be presented for this examination, and sung from memory.

2 ensemble works must also be presented for this examination, and sung from memory.

Wind and String instruments: Available on request

6. **Method and Repertoire: Course III** 1
7. **Recorder: Course III** 1
(All recorders)
Improvement of general performance standard with emphasis placed on expressiveness of playing, the execution of embellishments and other considerations; fully extending the range; focus on consort experience and use of less common recorders; all major and minor scales and arpeggios using complete available range.
8. **Aural training: Course III** 1
- Recognition of modulations (to dominant, sub-dominant, and relative minor keys)
 - Recognition of compositional devices (sequence, inversion, diminution, augmentation)
 - Recognition of cadences (perfect, imperfect, plagal, interrupted)
 - More complicated rhythmic patterns.

PEDAGOGICS

Course I

NOTE: Course I consists of Paper 1 (three hour paper on Fundamental and Historical Pedagogics), and Paper 2 (three hour paper on Empirical and Didactical Pedagogics)

FUNDAMENTAL PEDAGOGICS

- The pedagogical situation
 - Components of the situation
 - Basic relationships between adult and child
- The aim of pedagogy
- Pedagogical institutions
 - Home
 - Church
 - School
 - State

HISTORICAL PEDAGOGICS

Part I : European

- An introduction to Historical Pedagogics as a science
- The salient features of ancient education with special reference to either Greek or Roman education

3. Christian education and the Middle Ages

Part 2 : South African

4. Black traditional education

5. Education as influenced by the Dutch with special reference to the period 1803-1806

6. Missionary education

EMPIRICAL PEDAGOGICS

1. The perspective and field of Empirical Education

2. Child development as a pedagogical concern

3. Diverse modes of child development e.g. language acquisition, play expression, cognition etc.

4. Learning as a pedagogical concern:

4.1 The home as primary pedagogical situation

4.2 School readiness

4.3 Types of learning

4.4 Factors that promote or impede learning

DIDACTICS

1. Introduction to Didactics

1.1 Definition and scope in overall structure of Pedagogics

1.2 General Didactics

1.3 Specific Didactics

1.4 Relation between education and teaching

2. The Didactical-Pedagogical situation

2.1 Definition

2.2 Participation

2.2.1 The child

: As Educand

— Uniqueness and commonness

— The learning child

— Primary school child

— Secondary school child

2.2.2 The teacher

: His task

— Life Philosophy

— Authority

— Profession

— Training

— Attributes of the good teacher

2.2.3 Learning content

: Nature

— Function

— Selection and Scope

— Orderly arrangement (syllabus)

— Lesson time-table

3. Some traditional teaching principles

3.1 Communication

3.2 Motivation

- 3.3 Totality
- 3.4 Exploration (self-activity)
- 3.5 Self-discovery (heuristics) methods
- 4. Lessons and planning them
 - 4.1 Introduction
 - 4.2 Types of lessons
 - 4.2.1 Informative
 - 4.2.2 Revision
 - 4.2.3 Drill
 - 4.2.4 Appreciation
 - 4.2.5 Practical
 - 4.3 Long-term planning of lessons
 - 4.3.1 Task analysis for the whole year
 - 4.3.2 Task analysis for semester, month and week
 - 4.4 Important aspects of lesson structure
 - 4.4.1 Introduction
 - 4.4.2 Motivation
 - 4.4.3 Determining lesson and teaching aims
 - 4.4.4 Determining the strategy
 - 4.4.5 Teaching aids.

Course II

NOTE: Course II consists of Paper 1 (three hour paper on Fundamental and Historical Pedagogics), and Paper 2 (three hour paper on comparative, Empirical and Didactical Pedagogics)

FUNDAMENTAL PEDAGOGICS

1. Pedagogics as a science (as an anthropological description of the phenomenon)
2. Part discipline of Pedagogics
3. Pedagogics and values
4. Possibility and necessity of Pedagogics
5. Limits of Pedagogics
6. The relation between theory and practice

HISTORICAL PEDAGOGICS

Part I : European

1. Renaissance and Reformation
2. 18th Century European pedagogics and main trends related to South Africa.

Part II : South Africa

3. Education, the State and the policy of Anglicization (1806-1910)

COMPARATIVE PEDAGOGICS

1. Comparative Pedagogics: Definition, development, aims, scope and methods
2. The education system
 - 2.1 Its nature and determining factors

2.2 Criteria for the evaluation of an education system

3. The South African system

3.1 The White-Black dichotomy

3.2 Coloureds, Indians

EMPIRICAL PEDAGOGICS

1. The human, social and pedagogical context of child development
2. The development of the child's intentionalities
3. The cognitive and affective modes of development
4. Intelligence: Theories, nature, actualization, measurement and evaluation
5. Individual and group differences in development
6. Theories of learning and development and their accountability.

DIDACTICS

1. Lessons and planning them

1.1 The lesson structure

1.1.1 General details like subject, time, class size, topic etc.

1.1.2 Learning and teaching aims, choice of basic forms, teaching techniques, aids

1.1.3 Evaluation or assessment of lesson

Note: The theoretical aspects are to be put into practice during the Micro-teaching sessions in each specific subject.

2. Questioning in the classroom

2.1 Socrates the master questioner

2.2 Importance of questions in the teaching situation

2.3 Good questions and bad ones

2.4 Relevance of effective feedback (dealing with pupil's answers)

2.5 Teacher questions

2.6 Pupil questions

3. Specific methods of instruction

3.1 Telling or verbal method

3.2 Demonstration method

3.3 Self-discovery (heuristic) method

3.4 Thought Methods: Inductive, deductive and dialectic (discussion) approaches

4. Examination and Testing

Course III

NOTE: Course III consists of Paper 1 (three hour paper on Fundamental and Historical Pedagogics), Paper 2 (three hour paper on Comparative and Didactical Pedagogics), Paper 3 (three hour paper on Empirical Pedagogics, made up of Ortho-pedagogics and Sociopedagogics)

FUNDAMENTAL PEDAGOGICS

1. The methodological analysis of the pedagogical phenomenon

1.1 Empirical

1.2 Dialectical method

1.3 Hermeneutical method

- 1.4 Contradictory method
- 1.5 Phenomenological method
2. Pedagogical categories and criteria
3. Pedagogy and pedagogics (Philosophies of life and the image of the child)
4. Discipline, Authority and Freedom.

HISTORICAL PEDAGOGICS

Part I : General

1. A study of Historical Pedagogics as a part-discipline of Pedagogics: its field and methods of study

Part II : European

2. The main trends in European pedagogics in the 19th century as influencing South African education

Part III : South African

3. Pedagogics in the Cape Province 1910-1960 : A Comparative study emphasizing underlying trends

COMPARATIVE PEDAGOGICS

1. The influence of racial and linguistic factors on some educational systems.
2. Factors which have determined the present educational systems in South Africa.
3. General comparison of a few aspects of the South African systems for Blacks with those of at least two states in Southern Africa and an interpretation of the differences.
4. A general comparison of at least two other systems for instance European, Far Eastern or American.

DIDACTICS

1. The school curriculum
 - 1.1 Definition and scope
 - 1.2 Principles of curriculum design
 - 1.3 Principles of curriculum construction
 - 1.4 Re-organization of the curriculum (handling of new developments in education)
2. The syllabus:
 - 2.1 Definition
 - 2.2 Place and value in instructional programmes
 - 2.3 General weaknesses identified in syllabi
 - 2.3.1 Lack of continuity
 - 2.3.2 Vagueness of description
 - 2.3.3 Incompleteness with regard to module or lesson topic
 - 2.3.4 Overlapping
3. Introduction to Orthodidactics
4. Creativity and giftedness

EMPIRICAL PEDAGOGICS**ORTHOPEDAGOGICS**

1. The development level of the high school pupil.
2. Essential features of the problematic pedagogical situation, its appearance during the high school period and the responsibility of the teacher in this regard.

SOCIOPEDAGOGICS

1. Contemporary issues in Sociopedagogics concerning the high school period.
2. Guidance.

DEPARTMENT OF PHILOSOPHY**Course I**

(Two papers)

Paper 1.

- A. Introduction to:
 1. The nature of philosophy.
 2. The branches of philosophy.
 3. The major philosophical problems.
 4. Applied philosophy.

Paper 2.

- B. Greek philosophy (with special reference to Plato and Aristotle).

Course II

(Two papers)

Paper 1.

- A. Medieval philosophy (with special reference to Augustine and Aquinas).
- B. Modern philosophy up to Hume (e.g. Descartes, Leibniz, Locke, Honme).
- C. Kant (with special reference to the *Kritik der reinen Vernunft*).

Paper 2.

- A. Methodology:
 1. Traditional logic: The categorical syllogism.
 2. Symbolic logic: Propositional and predicate logic.
 3. Methods of science: Induction, probability, hypothesis, theory, law.
- B. Epistemology: Origin and extent of knowledge with special reference to the theory of sense-data and to phenomenology.

Course III

(Three papers)

Paper 1.

- A. 19th century philosophy (e.g. Hegel, Comte, Nietzsche).
- B. 20th century philosophy (e.g. Husserl, Ryle, Sartre).

C. Introduction to:

1. Eastern philosophy.
2. African philosophy.
3. Contributions of South African philosophers.

Paper 2.

- A. Philosophy of history (e.g. Dilthey, Toynbee, Collingwood).
- B. Philosophy of science (e.g. Eddington, Planck, Heisenberg).
- C. Philosophy of religion (e.g. Barth, Bultmann, Tillich).

Paper 3.

- A. Metaphysics: A critical discussion of traditional speculative metaphysics as contrasted with contemporary immanent or descriptive metaphysics.
- B. Axiology:
 1. Ethics: The major approaches, problems and concepts.
 2. Aesthetics: The major approaches, problems and concepts.
- C. Political philosophy: The major approaches, problems and concepts.

Honours

(Four papers)

Paper A.

Detailed study of a contemporary philosopher or group of contemporary philosophers.

Paper B.

Detailed study of a philosophical problem.

Paper C.

Detailed study of a period in the history of philosophy.

Paper D.

A critical analysis of a recognized philosophical work.

MA

A dissertation on an approved philosophical subject, which must give evidences of independent critical judgment.

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION**POLITICAL SCIENCE****Course I**

(Two papers)

Paper 1.

First capita selecta from the basic principles, trends, periods and theorists in the field of Political Science.

1. General introduction to the study of Political Science.
2. First selection of basic concepts in Political Science.
3. First selections of specific periods and trends in Political Science with particular reference to the relevant theorists.

Paper 3.**Political Institutions and Practices**

1. First selection of specific state institutions and political ideas including the relevant theorists.
2. A comprehensive analysis and evaluation of modern Western state institutions and practices with particular reference to contemporary South Africa (and examples from the South African Boer Republics and former British colonies where applicable).

Course II

(Two papers)

Paper 1.

Second capita selecta from the basic principles, trends, periods and theorists in the field of Political Science.

1. Second selection of basic concepts of Political Science.
2. Second selection of specific periods and trends in Political Science with particular reference to the relevant theorists.
3. Aspects of principles in the study of Political Science.

Paper 2.

Third capita selecta from the basic principles, trends, periods and theorists in the field of Political Science.

1. Second selection of specific state institutions and political ideas including the relevant theorists.
2. Modern totalitarian political view and practices.

Ideological basis and general characteristics of German National Socialism; Italian Fascism; Salazarism; Communism.

3. Western democracy and its philosophical bases.

Course III

(Three papers)

Paper 1.

First capita selecta from International Relations, Phenomena and Institutions:

1. The state in the international society.
2. The states system and the Family of Nations.
3. The origin and development of international law.
4. Nationalism, internationalism and imperialism.
5. Colonialism.
6. The existence and problems of national minorities.

Paper 2.

Second capita selecta from International Relations: Phenomena and Institutions:

1. Facilities for international co-operation: the origin of international institutions.
2. Power and power politics.
3. Diplomacy: a means in the service of national policy.
4. A comparative study of the composition, objectives and actions of the League of Nations and the United Nations.

Paper 3.

Third capita selecta from International Relations, phenomena and institutions.

1. War and peace.
2. The mandates and trusteeship systems as forms of international control over dependent territories.
3. International problems of overpopulation, food shortages and raw materials.
4. The role of Africa in world politics.

Honours

The examination consists of five papers. In consultation with the Head of the Department a candidate will select papers from the following:

- Paper A* A special period or aspect of political theory (philosophy)
Paper B A comparative study of any THREE constitutions.
Paper C Political parties.
Paper D A comparative study of modern approaches in political science or international relations.
Paper E An advanced study of the composition and functioning of supra-national organizations (UNO, OAU, NATO, etc.).
Paper F An advanced study of Behaviouralistic theories in Political Science.
Paper G Theories in International Relations, to be prescribed from time to time.
Paper H The development of political thought in Africa, Asia, Latin-America or the Middle-East.

The five papers can be written together or can be separated into two parts.

Master's Examination

The examination consists of a dissertation which must be on a subject of Political Science, or an allied subject, showing evidence of original research. Such subject to be approved by Senate at least six months before the submission of the dissertation.

Students are required to undertake a study of literature prescribed by the Department on the specific field of study in which the student intends to carry out research.

An oral or written examination on the prescribed literature must be taken, not earlier than three months nor later than one year after first registering for the Masters' degree.

A student will not be permitted to continue with his studies unless the outcome of such an examination is to the satisfaction of the supervisor and the Head of Department.

PUBLIC ADMINISTRATION**Course I****Paper 1.**

General introduction to the study of Public Administration.

1. Public Administration in relation to other social sciences.
2. The historical development of the field of administration.
3. Selection of basic principles in Public Administration.
4. Bureaucracy:
 - (a) The development of bureaucracies, and
 - (b) The characteristics, power and problems of bureaucracies.

Paper 2.

Descriptive and historical aspects of the institutional framework of Public Administration.

1. History of government institutions in South Africa.
2. Reasons for the existence of local authorities with special reference to South Africa.
3. Duties, powers and functions of councils and Town Clerks.
4. Analyses of the systems of local authorities in South Africa.

Course II**Paper 1.**

1. The determination of policy in the public sector.
2. Personnel administration.
3. Analyses of the functions and administrative institutions of a municipality.

Paper 2.

1. Organisation Theory.
2. Public Financial Administration.

Course III**Paper 1.**

- (1) Parliamentary control over executive institutions.
- (2) Control over regional and municipal authorities.
- (3) A comparative study of municipal systems.

Paper 2.

International Public Administration.

- (1) Analyses of the origin, nature and evolution of international institutions.
- (2) Characteristics, objectives and classification of international institutions.
- (3) Problems of international civil servants.

Paper 3.

- (1) Development Administration and Planning.
- (2) Modern Techniques in Public Administration.

Honours

The whole examination consists of four question papers namely two papers in Part 1 and two papers in Part 2 plus an approved article for Part 3. Parts 1 and 2 can be written together or separately. In consultation with the Head of the Department a candidate will select papers from the following:

Part I: Papers 1 and 2 are respectively *Paper A* below; plus any one paper from (B) to (E).

Paper A Advanced theories and value foundations of Public Administration: capita selecta from approaches, writers and schools.

Paper B The theory of administrative practice of governmental planning.

Paper C Advanced financial administration in the public sector (a pass in Economics III is recommended though not a prerequisite).

Paper D Advanced international public administration (only if the candidate has passed Political Science III).

Paper E Special problems of decision-making within the ecology of public administration.

Paper 3.

Third *capita selecta* from International Relations, phenomena and institutions.

1. War and peace.
2. The mandates and trusteeship systems as forms of international control over dependent territories.
3. International problems of overpopulation, food shortages and raw materials.
4. The role of Africa in world politics.

Honours

The examination consists of five papers. In consultation with the Head of the Department a candidate will select papers from the following:

- Paper A* A special period or aspect of political theory (philosophy)
Paper B A comparative study of any THREE constitutions.
Paper C Political parties.
Paper D A comparative study of modern approaches in political science or international relations.
Paper E An advanced study of the composition and functioning of supra-national organizations (UNO, OAU, NATO, etc.).
Paper F An advanced study of Behaviouralistic theories in Political Science.
Paper G Theories in International Relations, to be prescribed from time to time.
Paper H The development of political thought in Africa, Asia, Latin-America or the Middle-East.

The five papers can be written together or can be separated into two parts.

Master's Examination

The examination consists of a dissertation which must be on a subject of Political Science, or an allied subject, showing evidence of original research. Such subject to be approved by Senate at least six months before the submission of the dissertation.

Students are required to undertake a study of literature prescribed by the Department on the specific field of study in which the student intends to carry out research.

An oral or written examination on the prescribed literature must be taken, not earlier than three months nor later than one year after first registering for the Masters' degree.

A student will not be permitted to continue with his studies unless the outcome of such an examination is to the satisfaction of the supervisor and the Head of Department.

PUBLIC ADMINISTRATION**Course I****Paper 1.**

General introduction to the study of Public Administration.

1. Public Administration in relation to other social sciences.
2. The historical development of the field of administration.
3. Selection of basic principles in Public Administration.
4. Bureaucracy:
 - (a) The development of bureaucracies, and
 - (b) The characteristics, power and problems of bureaucracies.

Paper 2.

Descriptive and historical aspects of the institutional framework of Public Administration.

1. History of government institutions in South Africa.
2. Reasons for the existence of local authorities with special reference to South Africa.
3. Duties, powers and functions of councils and Town Clerks.
4. Analyses of the systems of local authorities in South Africa.

Course II**Paper 1.**

1. The determination of policy in the public sector.
2. Personnel administration.
3. Analyses of the functions and administrative institutions of a municipality.

Paper 2.

1. Organisation Theory.
2. Public Financial Administration.

Course III**Paper 1.**

- (1) Parliamentary control over executive institutions.
- (2) Control over regional and municipal authorities.
- (3) A comparative study of municipal systems.

Paper 2.

International Public Administration.

- (1) Analyses of the origin, nature and evolution of international institutions.
- (2) Characteristics, objectives and classification of international institutions.
- (3) Problems of international civil servants.

Paper 3.

- (1) Development Administration and Planning.
- (2) Modern Techniques in Public Administration.

Honours

The whole examination consists of four question papers namely two papers in Part 1 and two papers in Part 2 plus an approved article for Part 3. Parts 1 and 2 can be written together or separately. In consultation with the Head of the Department a candidate will select papers from the following:

Part I: Papers 1 and 2 are respectively *Paper A* below; plus any one paper from (B) to (E).

Paper A Advanced theories and value foundations of Public Administration: capita selecta from approaches, writers and schools.

Paper B The theory of administrative practice of governmental planning.

Paper C Advanced financial administration in the public sector (a pass in Economics III is recommended though not a prerequisite).

Paper D Advanced international public administration (only if the candidate has passed Political Science III).

Paper E Special problems of decision-making within the ecology of public administration.

- Part II:** Papers 3 and 4 are respectively *Paper F plus* any one of papers (G) to (I).
- Paper F** Advanced study of special contemporary problems of central and local government — *capita selecta*.
- Paper G** An advanced comparative study of local government.
- Paper H** An advanced study of modern intra-governmental relations with special reference to South Africa.
- Paper I** An advanced study of the problems of developing states. With special reference to Africa.
- (i) The quality of officials
 - (ii) Urbanization
 - (iii) Economic development

Part III: An article of 20-30 typed folio pages (10 000-15 000 words) on the subject from the field of Public Administration, approved by the Head of the Department. The article must show proof of the candidate's ability to work independently and will count for one-fifth of the candidate's total examination mark. The external examiner will, as in the case of other papers, have to approve it.

The Head of the Department will finalize the date on which the article must be handed in.

Master's Examination

The examination consist of a dissertation which must be on a subject of Public Administration, or an allied subject, showing evidence of original research. Such subject to be approved by Senate at least six months before the submission of the dissertation.

Students are required to undertake a study of literature prescribed by the Department on the specific field of study in which the student intends to carry out research.

An oral written examination on the prescribed literature must be taken, not earlier than three months nor later than one year after first registering for the Masters' degree.

A student will not be permitted to continue with his studies unless the outcome of such an examination is to the satisfaction of the supervisor and the Head of Department.

DEPARTMENT OF PSYCHOLOGY

Course I

(One paper)

1. Introduction: History, Major Schools, Fields of Application.
2. Learning.
3. Emotion.
4. Intelligence.
5. Thinking.
6. Drives and Motivation.
7. Foundations of Social Psychology.
8. Personality.
9. Introduction to Methods of Research and Assessment in Psychology.
10. Psychophysiology.
11. Perception and attention.
12. Introductory Psychopathology and Psychotherapy.
13. Introduction to Development Psychology.

N.B. Students who intend to major in Psychology will be required to complete an accredited one year course in Statistics or Statistical Methods

Course II**Paper 1.****Section A.**

1. Human development:
Prenatal, childhood, adolescence, adulthood, old age.

Section B.

1. Psychopathology of childhood and adolescence.

Paper 2.

1. Groups and group processes — emphasis on the family, and including aspects such as role, leadership, etc.
2. Social processes, including prejudice, attitudes, etc.
3. Differential psychology.

Course III**Paper 1.**

1. Psychopathology of adulthood and old age.
2. Intercultural approaches to psychopathology, with special reference to African societies.
3. An introduction to psychodiagnosis and psychotherapy.

Paper 2. Personality

1. The nature of personality.
2. The determinants of personality.
3. Introduction to some of the main personality theories.
4. The assessment of personality.
5. Examination in depth of some of the current theories of personality.

Paper 3.**Section A.****Counselling Psychology (60%)**

Introduction to the following:

1. Vocational guidance
2. Educational guidance
3. Rehabilitation
4. Marriage counselling
5. Child guidance — from infancy to adolescence.

Section B**Personnel Psychology (40%)**

1. Introduction to personnel psychology (Dept. of Industrial Psychology).

Honours

N.B. Candidates must complete 10 semester courses.

All curricula for the honours course have to be approved by the Head of the Department at the beginning of the year.

Some course have prerequisites as indicated.

“Subject to the general rules for the honours degree of Bachelor and also to the approval of

the Head of the Department of Psychology a student in possession of the BA degree with Psychology as a major subject may be admitted to the Bachelor of Arts Honours degree. The course is a full-time one-year course and consists of ten semester courses selected from the fifteen courses as outlined below.

Five of the ten courses are taught in each of the two semesters of the academic year. Examinations for the first group of five semester courses are conducted at the beginning of the second semester while the examinations for the remaining group of courses are written at the beginning of the following year."

- + A. Psychotherapeutic techniques
- + B. Psychodiagnosis
- + C. Psychopathology of mild severity
- + D. Psychopathology of moderate and marked severity
- *E. Advanced research methods
- F. Personality psychology
- G. Groups and group methods
- xH. Counselling I (advanced)
- xl. Counselling II (specialised)
- J. Developmental Psychology
- K. Directed study (choice of topic to be arranged with the Head of the Department)
- L. Environmental Psychology
- M. Depth Psychology
- N. Industrial Psychology (two semester courses in the Department of Industrial Psychology)
- xO. Psychometrics.
- P. Neuropsychology.
- Q. History of Psychology.

Compulsory for *all* students.

+ must always be taken together.

x must always be taken together.

Master's Degree

The examination consists of a dissertation from one of the fields of Psychology, approved by the Head of the Department, being a report on independent research done by the candidate.

Doctor's Degree

The examination consists of a thesis on a topic from one of the fields of Psychology, approved by the Head of the Department. It should reflect the results of independent and original research done by the candidate.

DEPARTMENT OF SOCIAL WORK

Course I (One paper)

Paper 1.

Section A.

General introduction to social welfare.

Section B.

Survey of the history of social work and social welfare activities in South Africa.

Course II
(Two papers)

Paper 1.

The social casework method.

Paper 2.

The social group work method.

Course III
(Three papers)

Paper 1.

- (a) Social casework with special reference to the psychosocial approach.
- (b) Social Work in regard to special problems.

Paper 2.

- (a) Social Work with communities.
- (b) Social policy development.

Paper 3.

- (a) Social Work administration.
- (b) Social Work philosophy and the profession.

Honours

The examination comprises:

Paper A

- (i) Modern approaches in Social Work with individuals.
- or*
- (ii) Social Intervention and the integrated approach.

Paper B

- (i) The group work method in Social Work and related professions.
- or*
- (ii) The Law and Social Work.

Paper C.

- (i) Social Development in Rural and Urban Communities.
- or*
- (ii) Social Policy, Planning and Administration.

Paper D.

Social Work Research

Paper E.

An extended essay (independent study of choice) in a specialised direction of Social Work.

Post Graduate Diploma

The courses for the post graduate diploma are the same as those for the honours degree, except that the extended essay will not be required.

Master's Examination

The examination consists of a treatise on an approved subject from the field of social work, and an oral examination on the general principles of the subject.

SOCIAL WORK PRACTICE

Students are strongly advised to obtain a driver's licence before completing their final year.

Course I

(One paper)

- (a) Students must pay at least 8 visits to various approved welfare organisations and/or institutions and submit detailed reports on such visits.
- (b) Students are required to attend at least one three hour practical instruction period each week during the academic year.

Course II

(One paper)

- (a) Students are required to spend at least three hours per week on field instruction during the academic year.
- (b) One half of the academic year is spent on social casework field experience and the other half of the academic year is spent on social group work field experience.
- (c) The student shall do four continuous weeks of practical training under the supervision of a registered social worker during vacation time.

Course III

(One paper)

- (a) Students are required to spend at least three hours per week on field instruction during the academic year.
- (b) Students are required to engage in social development work in the surrounding communities for the major part of the academic year.
- (c) The student shall do four continuous weeks of practical training under the supervision of a registered social worker during vacation time.

Honours

The student shall do twelve weeks continuous practical training in a registered welfare agency approved by the Head of the Department and supervised by a registered social worker. A detailed report must be submitted to the Head of the Department after completion of the practical training.

DEPARTMENT OF SOCIOLOGY

SOCIOLOGY

Course I
(Two papers)**Paper 1.**

General introduction to Sociology as social scientific discipline: key concepts; field concepts and methods.

Paper 2.

- (a) Introduction to the study of industrial societies; theoretical perspective.
- (b) The structure and function of basic social institutions, complexes and social movements.

Course II

Paper 1.

Sociological theory: The development of sociological thought in the nineteenth and early twentieth centuries. Analytic and systematic consideration of social systems. Interpretation of social personality, and culture systems and their relations with environments.

Paper 2.

(Candidates must take ONE of the following specialised fields: the choice of field is subject to the approval of the Head of the Department):

- (i) Industrial Sociology A
- (ii) Urban Sociology
- (iii) Sociology of the Family
- (iv) Group Dynamics
- (v) Demography

Practicals

Participation in Demographic Project (Xhosa).

Course III
(Three papers)**Paper 1.****Sociological Theory**

Principles of contemporary sociology, with special reference to twentieth century schools and systems of thought and current criticisms and developments.

Paper 2.**Sociological Research Methodology**

- (1) Theories, techniques, and branches of micro- and macro-sociological research, with field and laboratory practicals.
- (2) Elements of statistical and graphical method for sociology.

Paper 3.

(Candidates must take ONE of the following specialised fields; the choice of field is subject to the approval of the Head of the Department):

- (i) Industrial Sociology
- (ii) The Sociology of Deviance and Deviant Behaviour
- (iii) Sociology of Development.

- Note:**
1. All students following the Personnel Management degree course are compelled to take Industrial Sociology A in the second course, and Industrial Sociology B in the third course.
 2. No student may take Industrial Sociology B in the third course unless he has passed Industrial Sociology A in the second course.

Honours

The examination comprises three papers in Part I and two papers in Part II. Parts I and II may be written together or separately.

Part I:

Paper A.

Review of contemporary sociological thought.

Paper B.

Sociological Research Methodology.

Paper C.

The candidate must submit a research report of limited extent on a subject approved by the Head of the Department. The completed research report must show proof of the candidate's ability to work independently and must be of such a standard that it can be published.

Part II:

Two papers selected from the following in consultation with the Head of the Department:

- Paper D. Education Sociology
- Paper E. Urban Sociology
- Paper F. Industrial Sociology
- Paper G. Social Psychology
- Paper H. Group Dynamics
- Paper I. Sociology of Politics
- Paper J. Sociology of Religion
- Paper K. Sociology of Crime.

Master's Examination

The examination consists of a dissertation on a subject chosen by the candidate and approved at least six months before the dissertation is submitted; and an oral examination on the general principles of sociology.

DEPARTMENT OF XHOSA AND SOTHO

Either language may be taken by any student who has matriculated in a language of the same group. Every lecturer decides on the medium of instruction and examination.

XHOSA / SOTHO**Course I
(Two papers)****Paper 1.**

- (a) Basic introductory concepts for a scientific study of any language
- (b) Grammar of main language (organization of grammar, linguistic phonetics, syntactic systems, phonological systems etc.)

Paper 2.

A literary study of the prescribed works.

**Course II
(Three papers)****Paper 1.**

Grammar of the main language and another language from the same group.

Paper 2.

The history and development of the literature of the language.

Paper 3.

Literature. Prescribed works with more emphasis on "literary criticism".

**Course III
(Three papers)****Paper 1.**

Grammar of all the languages of the same group as the main language.

Paper 2.

- (a) African linguistics: application of elementary principles of comparative and historical linguistics, language reconstruction, language classification, dialectology, etc. to the study of African languages and the structure of Bleek's "Bantu Languages".
- (b) Historiography of African linguistics.
- (c) Linguistic and literary scholarship.

Paper 3.

Advanced literary criticism. Prescribed works.

Honours**Prerequisites**

- (a) Before commencement of his/her studies for the Honours Degree, the student must have passed a third course in one indigenous language.

- (b) In consultation with the Head of the Department a student will either choose five papers, or four papers plus an article of approximately 10 000 words on an approved subject. This article, which must be completed before the last paper is written, takes the place of a fifth paper and marks will be allotted as if it were an examination paper.
At least one paper to be taken from each section.
- (c) Students who wish to specialise in the literary papers are strongly advised to take the second course in African Thought and Literature.

Syllabus

Section A

- Paper A:* Linguistic Phonetics
Paper B: Phonology (includes tonology and can be taken only if Paper 1 is taken)
Paper C: Nature of Grammars
Paper D: African Linguistics (advanced application of the principles used in Paper 2 of Course III)

Section B

- Paper E:* Modern prose of main language.
Paper F: Modern drama of main language.
Paper G: Modern poetry of main language.
Paper H: Traditional literature of the language.
Paper I: As aspect of African Thought and Literature selected in consultation with the Head of the Department. (For students who have majored in African Thought and Literature).

AFRICAN THOUGHT AND LITERATURE

Course I

Paper 1

Outline of man's universal concern to establish his place in the universe, in nature and in society with the aid of symbolism and abstract thought. The basic interests, associations and symbols revealed in African belief and ritual.

Paper 2

- (a) Introduction to African folklore.
 (b) The role of symbolic and magical actions in African thought.

Course II

Paper 1

Continuation of study of African ideals, symbolism, mythology, religion etc., including general theories of interpretation.

Paper 2.

An introduction to African Literature North of the Limpopo.

Course III

Paper 1

A critical study of one or more approaches to traditional African Thought.

Paper 2

A study of selected titles from African literature North of the Limpopo.

Paper 3

Aspects of modern African Thought.

Honours

No complete Honours course is offered in this subject, but attention is drawn to Paper 9 in the Honours Syllabus for Xhosa/Sotho.

LANGUAGE LABORATORY

Attendance at Language Laboratory sessions is compulsory for all English I, Afrikaans and Praktiese Afrikaans student for oral/aural work, i.e. one period per week.

Courses for Afrikaans beginners are also available. Students wishing to use the Language Laboratory for private study in modern languages may do so in their own time.

DIPLOMA IN APPLIED LINGUISTICS

The syllabus for the course is:

- (i) The nature of language
- (ii) The nature of language learning
- (iii) Areas of mother-tongue interference
- (iv) Language teaching methodologies
- (v) Grammatical theories
- (vi) The role of technology in language teaching
- (vii) The history of language teaching
- (viii) Language Testing
- (ix) Evaluation of language teaching materials

GENERAL

In addition to the subjects in this prospectus certain other subjects are offered by other Faculties which may be taken in the Faculty of Arts as majors, or as ancillary subjects. These subjects are amongst those listed in paragraph A.3 of the rules of the Faculty of Arts. Students are advised to consult the prospectuses of the Faculties involved with a view to the content of these subjects.

CLASSICAL HEBREW

(This course is offered by the Department of Old Testament Studies and Hebrew in the Faculty of Theology)

Course I**Paper 1. Language**

- (a) Principles of Hebrew grammar (script, phonetics, accents, accidence of pronoun, strong noun, irregular nouns, particles, numerals up to 100 and strong

verbs, with verbal suffixes).

- (b) Simple translations from and into Hebrew.

Paper 2. Background

(Students who have Biblical Studies I to their credit are exempted from paper 2).

- (a) A survey of Biblical Archaeology.
 (b) Israelite history and its Near Eastern background from the beginning to the destruction of the First Temple.
 (c) Survey of Biblical Geography.

Course II

Paper 1. Language and text.

- (a) Principles of Hebrew grammar (weak verbs and nouns derived from them comparison, particles) with translations from and into Hebrew.

STATISTICAL METHODS

(This course is offered by the Department of Statistics in the Faculty of Science).

(One paper)

Introductory concepts and definitions. Sampling methods. Measurement scales. Variables.

Descriptive statistics: classification and tabulation.

Measures of location and dispersion.

Linear regression and correlation. Rank correlation methods.

Elementary probability theory and probability distributions: The Binomial, Poisson, and Normal distribution. Use of tables.

Means, proportions, variances and correlation coefficients; sampling distributions, confidence intervals and hypothesis testing.

Non-parametric hypothesis testing.

Research design and test construction.

Faculty of Science

FIELD EXCURSIONS

Certain subjects prescribe field excursions of varying duration as part of the practical work. Attendance at any excursion prescribed for the year will be compulsory. Heads of Departments prescribing excursions during the academic semesters must, however, obtain the permission of the Dean as well as Heads of Departments of all students involved.

RULES

The following faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules. Whenever a course is taken that is offered by another Faculty, the rules of that Faculty, applicable to the course, shall apply.

Attendance at all practicals and tutorials is compulsory and absence without departmental permission may result in a student being refused permission to write the end-of-year examinations.

The training of nurses is done in conjunction with the Ciskei Department of Health, Welfare and Pensions, at the Cecilia Makiwane Hospital. All Students registered in this department must abide by the rules and regulations laid down by the SANA, CINC, SAMA, SAMC and CAMA. See pages Science — and — for the general rules as the rules given in Science 1 to 9 do not apply to this Department.

Degrees in the Faculty of Science

Sc.1 The following degrees are conferred in the Faculty of Science:

Bachelor of Science	BSc
Bachelor of Science (Surveying)	BSc (Surv)
Bachelor of Nursing	B.Cur
Bachelor of Arts in Nursing	BA.Cur
Bachelor of Science (Honours)	BSc (Hons)
Master of Science	MSc
Master of Nursing	M.Cur
Doctor of Science	DSc

Note: For Pre-Engineering and Pre-Medical curricula see page Science 9.

For Nursing curricula see pages Sc.44 to Sc.65.

Curricula and Courses in the Faculty of Science

Duration

Sc.2 The under-graduate curriculum shall extend over a minimum of three years and shall be composed of courses in the following subjects:

GROUP 1

(Courses governed by Faculty of Science Rules and Regulations)

Applied Computer Science	Mathematics
Applied Mathematics	Microbiology
Biochemistry	Numerical Mathematics I
Biology	Physics
Botany	Psychology (see rule Sc6(8))
Chemistry	Statistics
Geography	Surveying
Geology	Zoology
Mathematical Statistics	

GROUP II

(Courses not governed by Faculty of Science Rules and Regulations)

Accounting I	Philosophy I
Afrikaans I	Practical English
Afrikaans-Nederlands I	Praktiese Afrikaans
Agricultural Biology	Soil Science
English I	Xhosa or another indigenous language

Composition of Curriculum

Sc.3 The curriculum shall consist of at least nine qualifying courses divided as follows:

First year	Not more than five
Second year	Not more than four
Third year	Not more than three

Provided that:

- (1) a student who fails in one or more courses of the first or second year may repeat one such course in a subsequent year and obtain credit for it over and above the stipulated maximum;
- (2) a student may not take more than two courses for non-degree purposes over and above the minimum of nine courses prescribed for the degree;
- (3) a student shall not obtain credit for more than eleven courses for degree purposes.
- (4) the curriculum must consist of at least four first year courses.
- (5) for the purpose of the above maxima Mathematics 1A and Mathematics 1B shall be regarded a full course, except when taken together.

Repetition of Courses

Sc.4 A course which may be repeated, shall be:

- (a) A course in which the candidate has failed previously for a degree of the University or for a degree of another university;
- (b) a course which a student passed previously but for which he obtained no credit for degree purposes.

Determination of Year of Study

- Sc.5 (1) Each course in which a student passes will be recognised but a student will not be allowed to proceed with second-year courses until he has passed at least three first-year courses.
- (2) A candidate shall be deemed to be in his first year of study until he has obtained credit in three courses; he shall be deemed to be in his final year of study when he is engaged on the final courses of his major subjects or when he has obtained credits in the final courses of his major subjects, but has still to obtain credits in other courses to complete the requirements for the degree; otherwise he shall be deemed to be in his second year of study.

Restrictions on the Selection of Courses

- Sc.6 (1) (a) Applied Mathematics course I is discontinued. A student may offer Applied Mathematics II only after Mathematics I and Physics I or IA, and Applied Mathematics III only after Mathematics II.
- Numerical Mathematics I may not be taken concurrently with or after Applied Mathematics II or III.

(b) To be admitted to Chemistry II a student *shall have passed Mathematics I or Statistics I.*

(c) Physics IA does not normally lead to Physics II, but is recognised as a first year course for all other purposes.

A student who has passed Physics IA and obtained at least 70% in the examination may, on the recommendation of the Head of the Department of Physics, be granted permission by Senate to proceed with Physics II.

To be admitted to Physics II a student must have passed Mathematics I.

To be admitted to Physics III, a student must have passed Mathematics II or Applied Mathematics II.

(d) A student shall obtain credit for Botany III only after Chemistry I has been passed.

(e) A student shall offer Zoology III only after Chemistry I or Statistics I has been passed.

(f) Mathematical Statistics I is discontinued. A student may offer Mathematical Statistics II only after Mathematics I, and Mathematical Statistics III only after Mathematics II.

(g) Only students who major in Psychology may obtain credit for both Mathematics I and Statistics I.

A student may take Statistics II only if Mathematics II and/or Mathematical Statistics II is not included in the course for the degree.

A student who has obtained a credit in Statistics I may proceed to Mathematical Statistics II and III. However, no credit shall be given to a student for the course Statistics I if he does it concurrently with, or after he has passed the courses Mathematical Statistics II and III.

(h) A student may not register for Biochemistry II or Microbiology II unless he is registered for or has passed Chemistry II and in addition satisfies the following 3 requirements:

(1) has passed any one of the following:

Botany I

Zoology I

Biology I or Agricultural Biology;

(2) has at least been admitted to the examination for Physics I (or IA or I Med);

(3) has at least been admitted to the examination for Mathematics I or Statistics I (or passed Mathematics IA)

A student will not receive credit for Biochemistry II or Microbiology II until he has passed:

Mathematics I or Statistics I

AND

Physics I (or IA or I Med).

(i) Biochemistry III may only be taken after Chemistry II and Microbiology III only after Biochemistry II.

Biochemistry III shall be taken with either Chemistry III or Microbiology III, and Microbiology III shall be taken with either Biochemistry III or Chemistry III.

(j) Mathematics I consists of two half-courses, IA and IB. No credit towards a degree is given for IA, and to obtain credit for course I a student shall pass both IA and IB. Course IB may be taken only after IA. A student may enrol either for the full course I or only for IA: Provided that the head of the Department shall

determine whether a student may proceed with the full course or with course IA only: Provided further that a student who has failed the full course I may be compelled to offer only IA at a subsequent registration. A Course I student may change to Course IA at any time up till the end of the first semester; however, if a Course I student fails to attain a first semester mark of at least 40% he may be required to change to Course IA. For a candidate writing the full course the two papers shall be those for IA and IB; and should such a student complete all the requirements for Mathematics IA but fail to complete the requirements for the full Mathematics I course the student will be credited with Mathematics IA.

- (2) No student shall obtain credit for more than one course from Group II.
- (3)
 - (i) No student shall obtain credit for both Biology I and Zoology I.
 - (ii) Biology I is acceptable for admission to Zoology II. A student who passes Biology I shall obtain credit for Zoology I only if he continues his studies in the Faculty of Science as a Zoology student.
- (4)
 - (a) A student shall not obtain credit for both Biology I and Agricultural Biology.
 - (b) Biology I is acceptable for admission to Zoology II.
 - (c) A student shall not obtain credit for both Botany I and Biology I.
- (5) A student takes Applied Computer Science II only after obtaining credit for any one of the following courses:
 - Mathematics I
 - Statistics I
 - Accounting I
- (6) A student takes Applied Computer Science III in either of two directions of study:
 - (i) Applied Computer Science IIIA which emphasises information processing; or
 - (ii) Applied Computer Science IIIB which emphasises scientific computing.
- (7) Students intending to take Applied Computer Science IIIA or IIIB are recommended to take Accounting I and Practical English as ancillary courses.
- (8)
 - (a) BSc students majoring in Psychology must take Statistics I as an ancillary course.
 - (b) A student may only take Psychology as a major subject in the Faculty of Science provided that the second major subject is one of the following:
 - Mathematical Statistics
 - Mathematics
 - Applied Computer Science
- (9) Biology may be taken as a major towards a BSc or BPed (Sc) degree only.
- (10) Soil Science may only be taken as a co-major with Geology. A student will only be credited with Soil Science II if he has obtained a credit for Geology II and will be credited with Soil Science III if he has obtained Geology III as a credit.

Major Subjects

Sc.7 Each curriculum shall contain at least two major subjects.

Sc.8 The final examination in a major subject shall not be taken before the third year of study.

Sc.9 Major subjects shall be selected from the following:

Applied Computer Science	Geography	Physics
Applied Mathematics	Geology	Psychology
Biochemistry	Mathematics	Soil Science
Biology	Mathematical	Statistics
Botany	Statistics	Zoology
Chemistry	Microbiology	

Sc.10 A student taking as a major subject any subject listed below, shall take the course listed opposite it:

Major subjects

Ancillary subjects

Applied Computer Science IIIB	Mathematics II <i>hr</i> Applied Mathematics II <i>or</i> Mathematical Statistics II
Applied Mathematics	At least two courses in Mathematics
Biology	Chemistry I, Maths I (or Statistics I)
Botany	At least one course in Chemistry
Biochemistry	At least two courses in Chemistry
Chemistry	At least one course in each of Physics and Mathematics or Statistics
Geology	At least one course in Chemistry
Mathematical Statistics	At least two courses in Mathematics
Microbiology	At least two courses in Chemistry
Physics	At least one second year course in Mathematics, Pure or Applied
Psychology	Statistics I
Zoology	At least one course in each of Chemistry and Mathematics or Statistics

Sc.11 A student shall pass in the ancillary subjects listed in Sc.10 above before or together with the examination in the major subject: Provided that if he passes simultaneously in both major subjects, or one major subject in terms of G.21, at the final examination but fails one or more of the compulsory ancillary subjects, he need not re-write the examination in the major subject(s), but shall obtain credit towards the degree for the major subject(s) when he passes in the ancillary subject or subjects.

Year Mark

Sc.12 The year mark and the examination mark shall be combined in equal proportions.

Supplementary Examinations

- Sc.13 (1) A first or second year student will be admitted to a supplementary examination in any course in which he has obtained a year mark of at least 50% and at least 40% in the examination, provided that he has completed at least two other courses at the same examination.
- (2) A third year student may be admitted to a supplementary examination:
- in the final course of a major subject where he obtained a year mark of at least 50% and at least 40% in the examination; Provided he has completed the final course in his other major subject.
 - in one other course, provided it is the last remaining requirement for his degree.

(3) It is to be noted that notwithstanding any other rule or regulation no provision is made for supplementary examinations for Health Science Students.

Sc.14 A student who is excluded from the Health Sciences courses may register in the Faculty of Science as a new student.

Distinction

Sc.15 A student shall pass a major subject with distinction if he obtains a 75% pass mark in the final examination.

The Degree of Bachelor of Science (Honours)

A prospective postgraduate student must discuss his proposed studies with the relevant departmental head before submitting his application to the Administration. A candidate shall not be admitted to any course for the honours degree unless he has obtained the permission of the Head of the Department concerned. Normally candidates will not be admitted to the honours course unless they have obtained at least 60% in the final year in the subject in which they wish to take honours.

- Sc.16 (i) Every candidate for the degree of Bachelor of Science (Honours) shall have obtained the degree of Bachelor of Science of the University, or shall have been admitted to the status of that degree in the University. If his Bachelor's degree has been obtained (a) in the University without the subject concerned being one of his major subjects, (b) in some other university, he shall satisfy the Senate as to his qualifications in that subject, before being admitted to examination for the BSc(Hons) degree.
- (ii) A student will only be admitted as a candidate for an honours degree with the approval of the Head of the Department concerned and provided the student has obtained the required level of pass at the BSc level as prescribed by the Department.

Sc.17 The following are the subjects in which the degree may be obtained:

Applied Chemistry	Geology
Applied Computer Science	Mathematical Statistics
Applied Mathematics	Mathematics
Biochemistry	Physics
Botany	Psychology
Chemistry	Theoretical Physics
Geography	Zoology

- Sc.18 (i) For admission to the Honours course in Computer Science, a student shall hold a Bachelor's degree or an equivalent qualification, and satisfy Senate that he has an adequate knowledge of the Computer Science field of study.
- (ii) A student will be admitted to the Honours course in Physics: Provided:
- (a) he has completed either Mathematics III or Applied Mathematics III, or
- (b) has an aggregate of at least 60% in one of the subject combinations Physics III/Mathematics II or Physics III/Applied Mathematics II in which case either Mathematics III or Applied Mathematics III shall be taken, concurrently with the honours course, and be completed within one academic year.
- (c) A student shall not be admitted to the honours course in Theoretical Physics unless he has completed Physics III and Applied Mathematics III.

(iii) A student may be admitted to the Honours course in Biochemistry provided he has an aggregate of at least 60% in Biochemistry III and/or the approval of the Head of the Department.

Sc.19 The honours course shall extend over not less than one year of full-time study but, a candidate may, with the approval of the head of the department concerned, attend and complete the course in two successive parts, each extending over one academic year.

Sc.20 (1) The BSc(Hons) Examination shall be conducted by means of examination papers and/or practicals, with, in addition, such oral test or translation test as may be prescribed in an individual department, all to be normally held in the period November — December in each year.

(2) Candidates for the BSc(Hons) examination in Physics, Chemistry, Applied Chemistry, Biochemistry and Botany shall submit notebooks, containing a record of the practical work they have performed at the practical examination. The record shall be signed by the person under whom they have worked.

Sc.21 A sub-minimum of 40% is applicable to all courses and dissertations in the Honours course.

Distinction

Sc.22 A student shall pass with distinction if he obtains an average of 70% in all his papers.

The Degree of Master of Science

Sc.23 The departments in which the degree may be conferred are the same as those listed in regulation Sc.17.

Sc.24 Every candidate for the degree of Master of Science shall have obtained the degree of Bachelor of Science (Honours) of the University in the department in question or shall have been admitted to the status of the degree of Bachelor of Science (Honours) in the University and have satisfied the Senate as to his qualifications in the subject concerned before being admitted to examination for a Master's degree.

Sc.25 (i) The examination for the degree shall consist of examination papers or a dissertation; or a combination of examination papers, seminars, oral examinations and a dissertation, as may be prescribed in an individual department.

(ii) A subminimum of 40% is applicable to all courses and dissertations in the Masters course.

(iii) Every dissertation must contain an Abstract or short description of it's contents.

Sc.26 Every dissertation shall be accompanied by a declaration as to the extent to which the dissertation represents the student's own work both in execution and conception.

Sc.27 The dissertation shall not be presented before the candidate has passed the examination for the B.Sc(Hons.) degree, nor within a period of less than two years after the Bachelor's degree has been completed.

The Degree of Doctor of Science

See General Regulations G42 — G56.

For further information consult the Dean of the Faculty of Science.

Syllabi

AGRICULTURAL BIOLOGY

(One paper)

Agricultural Biology is an introduction to the science of life intended primarily for students registered in the Faculty of Agriculture. It may also be taken as a single, first year course by students in other Faculties; but it is not considered as an entrance to Botany II or Zoology II.

The course deals with questions affecting the maintenance and perpetuation of life, with special reference to flowering plants and mammals. Mention is made of the problems concerned with energy, food, water balance, support, growth and reproduction, amongst others.

Some attention is given to genetics, evolution and taxonomy. The morphology and life cycles of selected plant and animal taxa are discussed. Ecological principles are introduced by reference to nature conservation and the economic importance of plant and animals.

APPLIED COMPUTER SCIENCE

Course I

(Two papers)

(i) *Introduction to Computing*

The background, digital computers, sets and logic, defining and analysing problems, numbers and other data types, instruction codes, data structures, programming systems, operating systems, computers at work.

(ii) *Basic Programming*

An introduction to programming a computer.

Course II

(Two papers)

This course is designed to introduce the concepts of information processing and to familiarise the student with the main application areas of computers. Special emphasis is placed on the use of computers in industry and administration.

Computer Architecture

Historical survey; basic logical circuits; the stored program; input-output; primary and secondary storage; operating systems and time-sharing; tele-communications.

Applications

Information flow and the maintenance of information files in a business; Computer data-processing; Introduction to the principal mathematical techniques used in business (optimisation; network-analysis; forecasting; simulation); Data-processing organisation; Introduction to Scientific and engineering computing (logarithms, principles of numeric calculus and the solution of systems of linear and non-linear equations).

Programming Methods

Basic principles and machine-level coding for a simple computer; flow-charting; Introductory COBOL and FORTRAN.

Systems Analysis and Design

Originating, storing, sorting, updating, controlling, and summarising information; system flow-charting; case study.

Information Structures

Number systems and coding; file structures and information retrieval.

Course IIIA*(Three papers)***Computer organisation**

Data structures, lists, arrays, trees;
Searching and sorting;
Hardware techniques;
Compilers and interpreters.

Systems analysis and design

Investigation and analysis;
Design and recording techniques.

Operating systems

Operating system design and the virtual machine;
Systems architecture;
Multi-programming;
Data management;
Job control languages;
Systems software.

Systems analysis and design

Case studies (Two commercial systems);
On-line and Real-time systems;
System integrity.

Programming

Advanced COBOL facilities;
Structured programming.

Course IIIB*(Two papers)***Computer organisation**

Data structures, lists, arrays, trees;
Searching and sorting;
Hardware techniques;
Compilers and interpreters.

Systems analysis and design

Investigation and analysis;
Design and recording techniques.

Operating Systems

Operating system design and the virtual machine;
Systems architecture;
Multi-programming;
Data management;
Job control languages;
Systems software.

Introduction to O/R techniques

Mathematical programming;
Network analysis;
Simulation;
Inventory models.

Programming

Advanced FORTRAN techniques;
 Algorithms for numerical processes;
 Programming efficiency;
 Programming packages.

APPLIED COMPUTER SCIENCE HONOURS

(Four papers, or two papers and a dissertation on a practical project, the topics for the papers to be selected in consultation with the Head of Department from the following:)

- A. Allocation Problems
- B. Artificial Intelligence
- C. Compiler Construction
- D. Computer Architecture
- E. Database Administration
- F. Database Systems
- G. Data Communication and Network Design
- H. Data Structures and Algorithms
- I. Decision Analysis
- J. Design of Information Systems
- K. Digital Techniques
- L. Expert Systems
- M. Inventory and Stock Control
- N. Linear Programming
- O. Network Analysis Techniques
- P. Non-linear Programming
- Q. Numerical Analysis
- R. Numerical Methods
- S. Operating Systems
- T. Project Management
- U. Queueing Theory
- V. Simulation
- W. Software Development
- X. Systems Analysis and Design
- Y. Theory of Computation
- Z. Theory of Programming Languages

MASTERS

The degree is awarded on an approved dissertation, although additional examinations in any of the topics listed for Honours may be included.

APPLIED MATHEMATICS

Course II
(Two papers)

The course comprises lectures and one practical session per week.

1. *Analytical Methods:*

Review of fundamental concepts: Series, differentiation and integration formulas, linear equations and determinants, complex numbers.

First order differential equations: Applications to mechanics, electric circuits, deflection of beams, differential geometry.

Linear differential equations: Methods to solve linear D.E., applications to physics, chemistry and engineering.

Laplace transformers; Theory and applications.

Vector analysis: Vector algebra, formulas involving the del operator, Jacobians, curvilinear co-ordinates.

Multiple integrals and integral theorems; Line and surface integrals, Green's and Stokes' theorem.

Fourier series.

Fourier integrals.

Gamma and Beta functions.

2. Numerical Methods:

Solution of non-linear equations.

Interpolating polynomials.

Numerical integration and differentiation.

Solving sets of equations.

Course III

(Two papers)

The course comprises lectures and one practical session per week.

1. Analytical Methods:

Bessel functions: Bessel and related functions.

Legendre functions.

Sturm-Liouville systems: Formal study of orthogonal functions.

Partial differential equations:

Complex variables and conformal mapping.

Matrices: Review of basic concepts, orthogonality, eigen-values and eigenvectors, diagonalization.

Calculus of variations.

One optional of the following:

Group theory.

Statistical mechanics.

Tensor analysis and relativity.

2. Numerical Methods:

Formulas by method of underdetermined coefficients.

Numerical solution of ordinary differential equations.

Boundary value problems.

Numerical solution of partial differential equations (elliptic, parabolic and hyperbolic).

Curve fitting and approximation of functions.

APPLIED MATHEMATICS HONOURS

A good pass in Mathematics III is advisable for admission to the honours course.

The course comprises 4 topics to be selected in conjunction with the Head of the Department from the following:

- Paper A Advanced Mathematical Methods
- Paper B Group Representation Theory
- Paper C Mathematical Modelling
- Paper D Relativity Theory
- Paper E Calculus of Variations
- Paper F Differential Geometry
- Paper G Quantum Field Theory
- Paper H Functional Analysis
- Paper I Microcomputer Systems
- Paper J Control Theory
- Paper K Astrophysics
- Paper L Statistical Mechanics
- Paper M Advanced Classical Mechanics
- Paper N Electrodynamics

and, not more than 2 papers, from those listed for Mathematics, Physics and Applied Computer Science, selected again in conjunction with the Head of Department.

MASTER'S/AND DOCTOR'S DEGREES

Discuss with the Head of the Department.

BIOCHEMISTRY**Course II**

(Two papers of three hours each)

The chemistry and biochemistry of the major chemical compounds in living systems, viz, carbohydrates, lipids, amino acids, proteins, nucleic acids and vitamins.

Acid-base interaction, buffers, the importance of pH in living organisms.

Basic cell morphology and metabolic compartmentalization. Introductory enzymology and bioenergetics.

Introductory metabolism viz. glycolysis, citric acid cycle, fatty acid oxidation, pentose phosphate pathway, oxidative phosphorylation.

Introduction to the techniques of biochemistry.

Course III

(Two theory papers and one practical examination, each one to comprise one third of the examination mark. The practical examination will take place during the last two weeks of lectures and practicals of the academic year. A sub-minimum of 45% is required for the practical examination)

Advanced aspects of intermediary metabolism and metabolic control.

Nucleic acid biosynthesis.

Stereochemistry and the biosynthesis of selected natural products.

Techniques to study biosynthetic reactions with particular emphasis on microbial natural products.

Principles of protein biosynthesis.

Physiological biochemistry including a study of blood and other body fluids, respiration, electrolyte balance, pH regulation, renal function, digestion, muscle composition and contraction, neural function, vision and hormones.

Plant biochemistry viz. photosynthesis, plant cell walls, and plant hormones.

Honours

(Six papers of three hours each)

- Paper A* Chromatographic and Electrophoretic Techniques
Paper B Centrifugation, Spectroscopy, Radioisotopes, Immunochemistry and Electrode Techniques
Paper C Project presentations (written and oral) on Techniques covered for papers A and B
Paper D General Metabolism
Paper E Structure of Biomolecules and Molecular Biology
Paper F Seminars and Practicals on Topics covered for papers D and E.

BIOLOGY I

(One paper) (Medical Science and Teaching option)

This course is designed as an introductory course for prospective medical students.

Section A

Cytology

- The characteristics of living things.
- Cell structure and the function of cell components.
- Cell division. Chromosome structure.
- Cell metabolism. Enzyme action. Metabolic pathways.
- The movement of materials across cell boundaries.

Histology

- Animal histology
- Plant histology

Embryology

- Animal embryology
- Plant embryology

Genetics

The particular nature of inheritance. Mendel's experiments. Gene theory. Linkage. Interaction of genes. Sex inheritance. Mutations. Genetics and organic evolution. Nucleic acid importance.

Section B

1. The framework of the classification of plants.
2. The distribution gross anatomy and life cycles of the following types:

- Dinoflagellates
- Volvox
- Penicillium
- Basidiomycete

- Fern
- Conifer
- Flowering Plant

3. *Plant physiology*

- Water relations in plants.
- Photosynthesis, respiration and fermentation.
- Growth and growth substances.

Section C

I. *Anatomy and Physiology of a Mammal*

(a) The general structure of the following systems:

- | | |
|-----------------------|---------------------|
| Blood-vascular system | Digestive system |
| Uro-genital system | Skin |
| Respiratory system | Neurosensory system |
| Endocrine system | Skeletal system |

(b) The physiology of the following activities:

- Locomotion (including muscle contraction).
- Digestion, absorption and utilization of food.
- Sensation and the origin and transmission of nerve impulses.
- Blood circulation
- Excretion
- Respiration
- Temperature control
- Endocrine control
- Immune reactions

II. *Taxonomy, distribution and life cycles of Animal types.*

The classification of animals. The diagnostic features of the main groups.

The characteristics and economic importance of viruses and bacteria. The general classification, anatomy, distribution and life cycle of examples from the following animal groups:

- | | |
|--------------|-----------------|
| Protozoa | Porifera |
| Coelenterata | Platyhelminthes |
| Nematoda | Annelida |
| Arthropoda | Mollusca |
| Teleostei | Anura |
| Reptilia | Aves |

Section D

Ecology

Ecosystems. Trophic levels. The energetics of ecosystems. Communities. Factors affecting organisms, biotic and abiotic factors, density dependent and density independent factors. Freshwater ecology.

Commensalism, mutualism and parasitism.

The mode of life and economic importance of the following:

- Schistosoma, Ascaris, Pulex, Musca, Apis mellifera.

Section E**Nature conservation**

General Principles of nature conservation.

Practical Work.

Relevant Practicals will be given in the Zoology Department.

BIOLOGY COURSE II

The course is intended for students in the Faculty of Science and Faculty of Agriculture who have Biology I as a credit.

Students must note the Chemistry and Mathematics I (or Statistics I) requirements stipulated in the third year course.

The final examination of the course will consist of two three-hour papers.

The year mark will be based on the theoretical work and practical work which the student has done during the year.

1. Principles of Taxonomy and the general classification of animals and plants.
2. Introduction to Molecular Biology, Cytology and Histology.
3. A study of the general morphology, anatomy, physiology and life cycles of representatives of organisms in the main taxa of the animals and plants.
4. The embryology of selected animals and plants.
5. Two three hour practical classes per week will be spent on the practical aspects of the course.

BIOLOGY COURSE III

Before being accepted for this course students must have obtained credits for Chemistry I and Mathematics I (or Statistics I).

The final examination of the course will consist of two three-hour papers. The year mark will be based on the theoretical work and practical work which the student has done during the year.

1. Selected topics on the physiology of animals and plants.
2. Behaviour in animals and sensitivity in plants.
3. Principles of Ecology.
4. The processes of Evolution and Biogeography.
5. The principles of Genetics.

Two three hour practical classes per week will be spent on the practical aspects of the course.

PLANT SCIENCES

All students reading Plant Sciences are encouraged to become proficient in the use of language either by taking a formal course or through some study in the Language Laboratory.

Field excursions of varying duration will be undertaken.

BOTANY I*(One theory paper and one practical examination)*

1. Introduction to biological sciences
2. Plant morphology
3. Plant diversity
4. Plant anatomy
5. Introduction to plant genetics
6. Plant ecology
7. Angiosperm taxonomy
8. Introduction to plant physiology

BOTANY II*(Two theory papers and one practical examination)*

1. Genetics
2. Non green plants
3. Physiology
4. Algae
5. Bryophyta
6. Pteridophyta
7. Gymnospermae

BOTANY III*(Two theory papers and two practical examinations)*

1. Systematics
2. Plant biochemistry
3. Ecology
4. Advanced anatomy

The Botany III course will consist of lectures and practicals (this section of the course will occupy 4 lecture and 2 practical periods per week), in addition students will undertake a compulsory project which will occupy 2 tutorial periods per week. *The project must be complete and handed in by the end of the 3rd quarter. A sub-minimum of 40% is required, in order to sit the final examination.* During the final quarter students will present a seminar on their project during the tutorial periods.

BOTANY — HONOURS COURSE

The honours course in Botany consists of 4 parts as described below. It enables a student with suitable qualifications to specialise in particular areas of study, according to his or her interests. Each student selects 2 options of study areas from the following:

- Paper A* Anatomy
Paper B Ecology
Paper C Physiology
Paper D Systematics.

Each option consists of 12 weeks of tuition.

Paper E Botanical Method

This part consists of 7 weeks of practical instruction and exercise in the use of equipment and facilities from a wide range of subject areas. Work will be assessed and given a mark out of 20.

Major Option**Paper F Major Seminars**

The first option will be assessed by 3 seminars on A, B, C or D given by the student, each given a mark out of 20.

Major Project**Paper G Project**

A research project relating to the first option will be selected from A, B, C or D in consultation with members of staff. Work on the project will continue through the year, and culminate in the submitting of a type-written dissertation.

Minor Option**Paper H Minor Seminars**

The Minor option will be assessed by 2 seminars on A, B, C or D given by the student, and a short project report, all given a mark out of 20.

Assessment consists of 5 parts, each weighted equally, as follows:

Major Option Examination Paper	100 marks
Minor Option Examination Paper	100 marks
General Botany Paper	100 marks
Project Dissertation	100 marks
Course work, 140 marks reduced to	100 marks

CHEMISTRY**Course I**

(Two papers)

Theory

- Paper 1.** A. *Inorganic Chemistry*: The periodic table, and the chemistry of well-known elements in the main groups.
 B. *Analytical Chemistry*: Elementary principles of qualitative and quantitative analysis.
- Paper 2** C. *Physical Chemistry*: Introductory study of physico-chemical topics.
 D. *Organic Chemistry*: Chemistry of simple compounds; introduction to the study of aromatic compounds.

Practical

Simple preparations; qualitative tests; titrimetric and gravimetric analysis.

Course IA

(for BAgric candidates)

(Two papers)

Theory

- Paper 1.** A. *Physical, Inorganic and Analytical Chemistry*: A study of fundamental principles of physical, inorganic and analytical chemistry with emphasis on those which are of special importance in agriculture.
- Paper 2** B. *Organic Chemistry*: Introductory study of aliphatic, aromatic and heterocyclic compounds; fats, carbohydrates, and nitrogen-containing compounds.

Practical

Elementary qualitative and quantitative analysis; simple preparations and physico-chemical determinations.

Course II
(Three papers)

Paper 1. Analytical and Inorganic Chemistry:

- A. *Analytical Chemistry:* Theory and applications of titrimetry; errors in quantitative analysis.
- B. *Inorganic Chemistry:* Introduction to the study of chemical structures; periodic arrangement of the elements; the chemistry of the typical elements.

Paper 2. Organic Chemistry: Study of aliphatic compounds and monocyclic aromatic compounds; reaction mechanism.

Paper 3. Physical Chemistry: Thermodynamics; kinetic theory of gases; elementary quantum mechanics.

Practical

A laboratory study of representative elements and some of their compounds; more advanced titrimetric determinations; physico-chemical experiments; the preparation and reactions of selected aliphatic and aromatic compounds.

Course III
(Three papers)

Theory**Paper 1. Analytical and Inorganic Chemistry:**

- A. *Analytical Chemistry:* Gravimetric and instrumental methods of analysis.
- B. *Inorganic Chemistry:* Atomic structure; nuclear chemistry; complex compounds; transition and inner transition elements.

Paper 2. Organic Chemistry: Aromatic, heterocyclic and alicyclic compounds; physical techniques for the determination of the structure of organic compounds.

Paper 3. Physical Chemistry: Reaction kinetics; thermodynamics of non-ideal systems; electrochemistry; the solid state; surface chemistry.

Practical

A laboratory study of the transition elements and some of their compounds; physicochemical experiments in phase equilibrium, surface chemistry, reaction kinetics, electrical measurements, thermodynamics; advanced analytical and preparative methods of organic chemistry.

Honours
(Four papers)

Theory

Paper A. Analytical Chemistry: The theory of and applications of separation methods and instrumental methods of analysis; the statistical treatment of analytical results.

Paper B. Inorganic Chemistry: New developments in advanced inorganic chemistry; preparation, properties and structures of selected elements and compounds.

Paper C. Organic Chemistry: Reaction mechanism; carbocyclic compounds; aromaticity; natural products; synthetic resins; organo metallic chemistry.

Paper D. Physical Chemistry: Quantum mechanics; molecular spectroscopy; statistical mechanics; theory of absolute reaction velocities.

Paper E. Practical Analytical Chemistry

Paper F. Practical Inorganic Chemistry

Paper G. Practical Organic Chemistry

Paper H. Practical Physical Chemistry

Analysis of less well-known elements and complex material; physico-chemical experiments in topics such as electrical and magnetic properties, spectroscopy, calorimetry, reaction kinetics, surface phenomena; determination of functional groups in organic compounds; separation and identification of the components of mixture of organic compounds; preparation of selected organic compounds, advanced physical techniques in structure determination of organic compounds.

Honours in Applied Chemistry

This being a post-graduate degree, it is assumed that the basics of organic, inorganic, physical and analytical Chemistry have been dealt with on the undergraduated level. The course is covered in one academic year with lectures commencing on the 1st February.

Theory

Paper A. Theory and principles of Analytical Chemistry: Chromatography, spectrophotometry, radio chemical and other ordinary methods of chemical analysis.

Paper B. Theoretical and Practical basis of Instrumentation: Instruments in the plant and laboratory, Basic electronics. Analytical Instruments. Corrosion, water conditioning, waste water, pollution.

Paper C. Chemical Industry: Chemical technology concerning a wide variety of industrial materials. Plant design, unit operations, quality control and some aspects of industrial psychology.

Paper D. Practical on Theory and Principles of Analytical Chemistry

Paper E. Practical on Theory and Practical basis of Instrumentation

Paper F. Practical on Chemical Industry.

Applying the methods of analysis discussed in the theory to industrial materials, e.g. metals and alloys, waste waters, effluents, pharmaceuticals, paints, vegetable and animal matter, food stuffs, etc. Basic electronics, the building of elementary instruments.

GEOGRAPHY

In each undergraduate course, the year mark contributes 50% of the total year's assessment, the balance being obtained from the final examination. The year mark is computed from assignments, tutorials, practical work in the field and in the laboratory and from theory and practical tests taken throughout the year. In Courses II and III B.A. and B.Sc. studies are differentiated.

For Geography III the year mark constitute 33% of the final mark and not 50%.

Course I

(Two papers of 2 hours each)

Course I provides a basic introduction to concepts in systematic physical and human geography.

- Theory:** 1.1. physical: geomorphology, meteorology and climatology.
1.2. human: economic, population and settlement geography.
- Practical Work:** (1 session per week) to introduce techniques of drawing and measurement, of statistical representation, of topographic, air photo and weather map interpretation and the use of instruments.

Course II

(Two papers of 3 hours each)

Course II develops from the Course I basis by means of systematic studies. A core curriculum (in italics) is followed by all students with options to permit specialisation, for Arts and Science, *inter alia*:

- Theory:** 1.1 physical: meteorology and climatology I and II, geomorphology, pedology and environmental problems.
1.2 human: economic, population I and II and settlement geography.
- Practical Work:** (2 sessions per week) designed to illustrate and re-inforce theoretical aspects, using techniques pertaining to map compilation and analysis, air photo interpretation, research techniques and statistical methods.

Course III

(Two papers of 3 hours each)

Course III emphasises systematic study and regional application within the southern African context. A core curriculum is followed with options permitting specialisation, for Arts and Science, *inter alia*:

- Theory:** 1.1 physical: geomorphology, biogeography and climatology.
1.2 human: economic, political I and II and social geography.
- Practical Work:** (2 sessions per week) closely integrated with theory to involve applied assignments and to include advanced air photo and map analysis and the use and application of models applicable to various branches of geography.

Honours Course

(Six papers: Paper A (4 hours), Papers B and C and 3 other papers)

I The Honours course may be taken over 1 year (full time) or 2 years (part time).

II The course will consist of:

- Theory of Geography** (compulsory) (examined by 1 x 4 hour paper)
 - the development and philosophy of the discipline.
 - methods and techniques of modern research.
- Three courses (examined by 1 x 3 hour paper each) selected from:
 - physical: geomorphology, biopedology, climatology.
 - human: settlement geography, economic geography, cartography.
- Mini-dissertation on a topic of the student's own choice approved by the department.
- Seminars and tutorials presented during the course of study.

Paper A. Theory of Geography

Paper B. Mini-Dissertation

Paper C. Year Mark

Physical Geography*Paper D. Biopedology**Paper E. Geomorphology**Paper F. Climatology***Human Geography***Paper G. Settlement geography**Paper H. Economic geography**Paper I. Cartography***Master's and Doctor's Degree**

A dissertation or thesis is, *inter alia*, required.

GEOLOGY**Geology I***(One paper)*

An introduction to geology gives the background to the study of geology. It gives an outline of geology, its scope, and place in the modern society. It deals with the universe, the earth, rocks and general geologic principles and processes.

An introductory course of stratigraphic principles is given, and the stratigraphy of Southern Africa is reviewed. This gives the relations of South African rocks to each other and to time.

A course in the study of Landforms is given as well as the principles of photogeology and the interpretation of aerial photographs.

The first course in Geology is concluded with Geophysics. The magnetic, electrical, gravimetrical, and acoustical methods, as well as borehole logging, hydrology, and petroleum geology are studied.

The practical work includes cartography and exercises on geological maps, in photogeology and geophysics.

Geology II*(Two papers)*

The year is mainly spent in the study of crystallography, the study of crystals, mineralogy, the study of minerals and petrology, the study of rocks.

A course in Geochemistry is included, with special attention to the trace elements. Geochemical surveys are reviewed.

The practical course includes crystallography, mineralogy and petrology — much time is devoted to the study of minerals and rocks, and their properties under the microscope. Geophysical and photogeological studies are advanced.

Geology III*(Three papers)*

Economic Geology, with reference to occurrences of South African deposits, is studied. The course includes the processes of formation, the classification of mineral deposits and mineral localization.

Further courses in Geophysics, Geochemistry and Petrology are given.

The course in Engineering Geology includes the geological side of road building, dam sites, and foundations, while clay mineralogy is also reviewed.

The practical work includes petrology, geophysics and geochemistry, while special attention is given to sedimentary analysis and techniques.

GEOLOGY HONOURS

An Honours or equivalent 4 year degree in Geology is the minimum academic qualification required for registration and employment as a geologist. The Honours course is taken over 1 year, but may be taken over 2 years with the approval of the Head of the Department.

Theory: Written assignments and weekly seminars on topics in fundamental and applied Geology with strong emphasis on literature research. Four 3 hour theoretical examination papers are written at the end of the year.

Practical Work: Laboratory and field projects are done on a full time basis during the day. A supervising lecturer is appointed for each project who teaches and demonstrates the relevant procedures and techniques. The student submits a written report to the satisfaction of the supervisor on completion of each project. The practical marks count the equivalent of a fifth paper towards the examination.

Paper A. Economic Geology, Geophysics, Geochemistry

Paper B. Mineralogy, Crystallography, Petrology

Paper C. Sedimentology, Palaeontology, South African Geology

Paper D. Structural Geology, Mining Geology, Engineering Geology

Paper E. Practical work

MATHEMATICAL STATISTICS

This subject may be taken only by BSc Students.

Course II

(Two papers) (Second year BSc)

The course comprises lectures and one practical session per week.

Probability theory, conditional probability and stochastic independence.

One-dimensional random variables: discrete and continuous. Functions of random variables. Two- and higher-dimensional random variables.

Characterization of random variables, marginal and conditional probability distributions, independent random variables, distribution of functions of random variables, expected values and moments of random variables and their properties. Correlation and regression. Curve fitting.

Some standard distributions: Bernoulli, Binomial, Geometric, Hypergeometric, Multinomial, Poisson, Normal, Exponential, Gamma and Chi-square. Comparisons among various distributions. Truncated distributions.

The moment-generating function with some properties and applications.

The law of large numbers and the central limit theorem with applications.

Introduction to sampling theory, point estimation of parameters (maximum likelihood and least squares) interval estimation and hypothesis testing.

Course III

(Two papers) (Third year BSc)

The course comprises lectures and one practical session per week.

A short revision of distribution functions including the Gamma, Beta and Chi-square distributions. Transformation of variables techniques. Order statistics. Distribution of sample values. Limiting distributions.

Stochastic convergence.

Point estimation. Sufficiency, completeness, uniqueness, efficiency and robustness. Interval estimation. Bayesian estimation. Tolerance limits. Statistical hypothesis testing: simple and composite hypothesis. Uniformly most powerful tests. Likelihood ratio tests. Chi-square tests. Analysis of variance. Regression analysis. Test of stochastic independence.

Sequential probability ratio test. Nonparametric tests.

Multivariate normal distribution. Quadratic forms.

Honours Degree

Prerequisite: Normally 60% pass mark in Mathematics and Mathematical Statistics III

The examination consists of 5 papers. These papers must be selected from the following in conjunction with the head of the department.

A. Stochastic Processes, B. Multivariate Statistical Analysis, C. Regression Theory, D. Measure and Probability Theory, E. Sample Survey Methods and Theory, F. Mathematical Programming, G. Theory of Statistical Inference, H. Non-Parametric Statistics, I. Experimental Design, J. Advanced Probability Theory, K. Operations Research, L. Time Series Analysis, M. Sequential Analysis, N. Statistical Decision Theory, and, not more than 2 papers, from those listed for Mathematics, Applied Mathematics and Applied Computer Science selected again in conjunction with the Head of Department.

Masters Course

The course comprises:

A. Dissertation
plus such additional work as shall be deemed suitable by the Head of Department.

OR

B. Dissertation of limited scope
and 3 papers chosen from the following in conjunction with the Head of Department

C. Advanced Stochastic Processes, D. Advanced Multivariate Statistical Analysis, E. Advanced Regression Theory, F. Advanced Theory of Statistical Inference, G. Methods of Multivariate Statistics, H. Advanced Non-Parametric Statistics, I. Advanced Experimental Design, J. Advanced Time Series Analysis, K. Advanced Sequential Analysis, L. Advanced Statistical Decision Theory.

and any of the papers listed under Honours not already offered by the student.

MATHEMATICS

Course I

(Two papers of 2 hours duration)

The course comprises lectures and one tutorial class per week.

Paper 1. (Mathematics IA): Real numbers. Complex numbers. Relations and functions. The trigonometric functions. Identities. Modulus. Induction. Permutations. Combinations. The Binomial Theorem. Limits and continuity. Inverse functions. Exponential, logarithmic and hyperbolic functions. Differentiation. Maxima/minima and curve sketching. The mean value theorem.

Paper 2. (Mathematics IB): Integration. Differential equations. Series. Determinants. Systems of linear equations. Matrices. Vector algebra and geometry. Taylor's formula. Partial differentiation.

Course II*Two papers of 3 hours duration*

(The course comprises lectures and one tutorial class per week)

Paper 1. Linear Algebra: Linear equations and matrices. Matrix algebra. Real vector spaces. Linear transformations. n -th order determinants. Inner Product spaces, Eigenvectors and eigenvalues. Real Quadratic forms.

Paper 2. Analysis: Functions of several variables. Limits and continuity. Partial differentiation. Maxima and minima. Multiple integrals. Differential equations. Differential Geometry and Vector Calculus, Topology of the real line. Sequences.

Course III*(Three papers of 3 hours duration)*

Paper 1. Abstract Algebra: Elementary Number Theory, Groups, Rings, and Fields.

Paper 2. Analysis: A rigorous treatment of the system of real numbers as a complete archimedean fully ordered field. Metric spaces. Continuity in metric spaces. Uniform continuity. Uniform convergence. Differentiability in normed spaces. The Riemann-Stieltjes integral. Elementary theory of Numerical Analysis.

Paper 3. Uniform convergence and sufficient conditions from the term by term integration and differentiation of a series of functions of a real or complex variable properties of power series. The logarithmic, exponential and trigonometric functions of real and complex variables. Line integrals in the real and complex plane. Differentiability of functions of a complex variable, analytic functions and the Cauchy-Riemann equations.

Cauchy's theorem. Taylor and Laurent expansions, residues, contour integration. Conformal mapping and analytic continuation.

Honours Course

(Prospective candidates should consult the Head of the Department. Normally candidates will not be admitted unless they have obtained an aggregate of at least 60% in Mathematics III).

The examination consists of four papers selected in conjunction with the Head of the Department, from the following:

1. A. Group Theory, B. Ring Theory, C. Module Theory, D. General Topology, E. Real Analysis, F. Complex Analysis, G. Harmonic Analysis, H. Measure and Integration Theory, I. Functional Analysis, J. Numerical Analysis, K. Differential equations, L. Number Theory, M. Algebraic Topology, N. Calculus of Variations, O. Differential Geometry, P. Special Functions, Q. Projective Geometry, R. Category Theory, S. Graph Theory, T. Algebraic Geometry, U. History of Mathematics, V. Set Theory and Logic, W. Universal Algebra, X. Catastrophe Theory, Y. Topos Theory, Z. Differential Analysis.
2. Not more than two papers from Mathematical Statistics, Applied Mathematics or Applied Computer Science.

Masters Course

(Prospective candidates should consult the Head of the Department).

The examination may be by written papers and/or dissertation. The papers will be selected in

conjunction with the Head of the Department from the following:

1. A. Abelian Group Theory, B. Ring Theory, C. Module Theory, D. General Topology, E. Real Analysis, F. Complex Analysis, G. Harmonic Analysis, H. Measure and Integration Theory, I. Operator Theory, J. Numerical Analysis, K. Differential Equations, L. Lie Groups, M. Algebraic Topology, N. Topological Groups, O. Differential Geometry, P. Categorical Topology, Q. Projective Geometry, R. Category Theory, S. Graph Theory, T. Algebraic Geometry, U. Tensor Analysis, V. Dissertation, W. Universal Algebra, X. Catastrophe Theory, Y. Fuzzy Topological Spaces, Z. Combinatorics.
2. Not more than two papers from Mathematical Statistics, Applied Mathematics or Applied Computer Science.

MICROBIOLOGY

Course II

(Two papers of three hours each)

Introduction to fungi and their role in human affairs; techniques for the isolation and cultivation of fungi.

Introduction to virology; properties of viruses and their symptomatology.

Introduction to bacteria and their importance to man; techniques for culturing bacteria and elementary tests for their identification.

The composition of blood and the discovery of antibodies; antigen-antibody reactions and their applications.

Introduction to the techniques of microbiology.

Course III

(Two theory papers and one practical examination, each one to comprise one third of the examination mark. The practical examination will take place during the last two weeks of lectures and practicals of the academic year. A sub-minimum of 45% is required for the practical examination).

Growth and nutrition of bacteria.

Specialised metabolic pathways; DNA; RNA; Protein synthesis; Immunology.

The genetics of bacteria and their viruses.

Introduction to the microbiology of soil and water; the use of microorganisms in industry; important products from microorganisms.

Techniques of microbiology.

Honours

(Six papers of three hours each)

Paper A. General Microbiology

Paper B. Molecular Biology

Paper C. Biotechnology

Paper D. Techniques in Microbiology

Paper E. Seminars

Paper F. Laboratory Projects

NUMERICAL MATHEMATICS I**Course I***(One paper)*

This course comprises lectures, one practical session and one tutorial per week.

The course is primarily designed for the analysis of experimental data in the physical and engineering sciences, but is adaptable to other fields.

Error analysis

Introduction to probability theory, Markov chains and simulation of random processes

Linear systems (Numerical methods to determine roots of equations)

Linear programming and theory of games

Curvilinear regression and curve fitting

Numerical modelling (The solution of physical problems using programmable calculators and BASIC language)

Elementary numerical differentiation and integration

PHYSICS

The core of physics consists of four fundamental topics: Mechanics, Electromagnetism and Heat which express the classical view prevailing at the end of the last century, plus a fourth topic called Modern Physics which shows how certain limitations of the classical view were overcome during the first three decades of the present century. In the first year a physics major studies the three classical topics at an elementary level. In the senior years the student studies all four fundamental topics to an intermediate standard, the first two along with optics in the second year and the last two along with electronics in the third year. Specialized topics are studied at the post-graduate level.

A first year general course covering a greater range of topics than the major course is available to those not continuing in physics.

Practicals are an essential part of physics, and are required each year.

Course I M. (Medical Physics)*(One paper)*

This is a *terminal* course and does not lead to Physics II. Although Mathematics I is not a compulsory ancillary to be taken concurrently with this course, it is nevertheless highly recommended.

Mechanics: Measurements, standards, units and errors.

Vectors and scalars.

Kinematics: Displacement, velocity, acceleration in one- and two-dimensions; projectiles. Rates of change of physical quantities.

Dynamics: Force, weight, and gravitational mass. Newton's three laws of motion. Equilibrium of a particle. Friction and application to bone joints. Circular motion: in vertical and horizontal planes. Weightlessness. Electric charges and forces. Coulomb's law and structures of matter.

Work, Energy and Power: Kinetic and Potential energies: Conservative and non-conservative forces. Energy conservation principle. Forms of energy. Scaling laws in Physiology. Impulse and linear momentum. Conservation of linear momentum.

Statistics: Torques, couples, equilibrium of rigid bodies. The centre of gravity. Stability and balance. Simple machines and levers. Levers in the body.

Rotation of rigid bodies: Angular variables, Newton's laws for rotational motion. Moment of inertia; angular momentum.

Elasticity: Stress and strain. Hooke's law; principal moduli of elasticity. Bending strength.

Vibrational motion: Simple harmonic motion; damped oscillations; forced oscillations. Resonance.

Heat: Temperature and temperature scales. Gas laws. Thermal expansion; heat capacity; phase changes; heat transmission; temperature regulation. First and second laws of thermodynamics. The Carnot cycle, and its application to metabolism.

Mechanics of non-viscous fluids: Density and Pressure; Archimedes' Principle; Bernoulli's equation.

Pumps, barometer, blood pressure, flow meters.

Mechanics of viscous fluids: Viscosity, Poiseuille's equation; Centrifuge. Surface tension; capillarity, Laplace's law.

The Cardiovascular system; flow resistance.

Electricity and Magnetism: The electric forces and fields; electric dipole; electric potential. Conductors and insulators. Capacitance. The Oscilloscopes. Electric current, resistance, and electromotive force. Ohm's and Kirchoff's laws; voltmeters, ammeters and ohmmeters. Electrical safety.

Nerve conduction. The electroencephalograph and electrocardiograph.

Magnetic field: Magnetic force on a moving charge and current carrying wire; magnetic dipoles. Galvanometers and motors.

Measurement of e/m ; mass spectrometer, cyclotron. Elements of a.c. circuit theory.

Waves: in strings, rods and air columns. Boundary conditions. Beats, Doppler effect.

Sound intensity; detectors; auditory response. Ultrasonics.

Light: Reflection, refraction; Huygen's principle. Mirrors, lenses and optical instruments. The human eye. Optical defects.

Interference, diffraction, polarisation.

X-ray production and diffraction and its applications.

Particle properties of electromagnetic radiation: the photon; Blackbody radiation; photoelectric effect; Compton effect; X-ray spectrum.

Wave properties of matter; de Broglie wave hypothesis; diffraction of matter waves; the Bohr atom.

The atomic nucleus; radio-activity; Carbon 14 dating; Radiation units; dose; biological effects.

Radiation therapy; radiation detectors.

Course IA (Ancillary)

(One paper)

This is a service course to various departments, and it does not automatically lead to Physics II. Although Mathematics I is *not* a compulsory ancillary to be taken concurrently with this course, it is nevertheless highly recommended.

Mechanics of Solids: Measurement of length and time. Scalar and vector quantities. Kinematics at constant acceleration. Uniform circular motion. Forces in equilibrium. Elasticity. Newton's laws of motion. Dynamics at constant acceleration, in uniform circular motion, and in harmonic motion. Gravitation. Conservation of energy and momentum. Work and simple machines.

Mechanics of Fluids: Pascal's law. Barometer. Archimedes' principle. Density and specific gravity. Manometer. Streamline flow. Bernoulli's principle. Viscosity. Poiseuille's equation. Turbulent flow. Surface tension and capillarity.

Temperature and Heat: Scales of temperature. Thermometry. Calorimetry. Expansion. Change of state. Elementary kinetic theory and the gas laws. Vapours and hygrometry. Transmission of heat. Laws of thermodynamics. Engines and refrigerators.

Electricity and Magnetism: Coulomb's law and charge. Fields and electrostatic induction. Potential. Capacitance. Ohm's law and Joule heating. Conduction in liquids. Electrolysis and Faraday's law. Electric cells. Direct current circuits. Magnetic forces. Voltmeters and ammeters. Wheatstone's Bridge. Magnetic induction. Ferromagnetism. Thermoelectricity. Motors and generators. Alternating current circuits. Diodes and triodes. Amplification. Photocells. Oscilloscope.

Sound: Nature of sound. Wavelength, phase velocity, and frequency. Doppler effect. Vibrating string. Open and closed pipes. Sound intensity. Beats.

Optics: Nature of light. Reflection, refraction, dispersion. Mirror and lens optical instruments. Spherical and chromatic aberration. Interference effects. Photometry. Polarization.

Radiation: X-rays and diffraction from crystals. Atomic number and isotope number. Artificial and natural radio activity. Types of radiation and measurement methods.

Course I (Major and Pre-Engineering)

This course is designed for Physics majors and engineers. Generous use of calculus and vectors is made. Study of Mathematics I concurrently with this course, is thus compulsory. The course comprises 5 lectures, 1 tutorial, and 1 practical session per week.

(First Paper)

A. Mechanics

Vectors and scalars: Rectangular resolution and vector addition. Unit vectors, vector differentiation. Dot and cross products of vectors.

Kinematics: Displacement, velocity and acceleration.

Dynamics of a particle: Newton's three laws of motion; uniformly accelerated motion in one dimension. Motion of a particle in two-dimensions; projectiles, uniform circular motion; Gravitation.

Work and Energy: Work-energy principle; kinetic and potential energies. Conservative and non-conservative forces. Conservation of energy principle.

Linear momentum: its conservation principle; elastic and inelastic collisions.

Dynamics of a rigid body: Angular displacement, velocity and acceleration. Angular momentum. Moment of inertia, parallel and perpendicular axes theorems. Torque. Couple; Newton's laws for rotational motion. Elementary theory of the gyroscope. Precession.

Statics of a particle and a rigid body. Conditions for equilibrium. Centre of Gravity.

Simple Harmonic Motion: Free running harmonic oscillator; simple pendulum, compound pendulum.

Elasticity: Young's, Bulk, and rigidity moduli; energy stored in elastically deformed media.

B. Hydrostatics & Hydrodynamics

Density, pressure in a fluid, pressure gauges and pumps. Archimedes' principle. Force against a dam. The equation of continuity, Bernoulli's equation and applications.
Viscosity; Poiseuille's and Stokes' Laws.

C. Waves and Vibrations

Periodic waves; speed of transverse and longitudinal waves. Vibrating bodies: strings, rods, and gas columns. Standing waves.
Acoustic phenomena: beats and Doppler effect.

(Second Paper)**A. Heat**

Thermometric properties of substances; temperature and expansion; calorimetry; change of phase; work and heat; thermal properties of matter; First and Second laws of thermodynamics; Carnot Cycle.

B. Electromagnetism

Electric charge; atomic structure; conductors and insulators. Coulomb's Law; Electric field; Gauss' Law. The Potential. Current, resistance, electromotive force; Ohm's and Kirchoff's laws; D.C. circuits and instruments.

The magnetic field; magnetic flux.

Motion of a charged particle in an electromagnetic field: Millikan's oil drop experiment; Cathode ray oscilloscope; Thomson's measurement of e/m ; the cyclotron.
Isotopes, mass spectroscopy.

C. Geometrical Optics

The nature and propagation of light.

The laws of reflection and refraction. Index of refraction. Huygen's Principle; Snell's law.
Refraction by prisms.

Dispersion.

Reflection at: at plane mirror, spherical mirror; focal point and focal length.

Refraction at: a plane surface, spherical surface.

Lenses: thick and thin lenses.

Optical instruments: magnifier, camera, projector, microscope and telescope.

Course II**(Three papers)**

This course is to be done concurrently with Mathematics II or/and Applied Mathematics II. It comprises 6 lectures, and 2 laboratory sessions and 1 Tutorial per week.

Paper 1**A. Dynamics of a Particle**

Motion in One dimension: Three laws of Newton; Constant force, time dependent force, velocity dependent force. Motion in a resisting medium.

Harmonic Oscillators: free-running, damped, and driven oscillators. Resonance.

Motion in two and three dimensions: Vector analysis including dot and cross products of vectors; gradient, divergence, curl, and their physical significance.

Cartesian, plane polar, cylindrical, and spherical co-ordinates. Accelerated frames.

Projectile motion, harmonic oscillator in 2- and 3-dimensions.

Motion under a central force. The Kepler problem.

Disturbed orbits. The Rutherford problem.

Motion of a particle in an electromagnetic field.

B. Dynamics of a System of Particles

Centre of mass; Conservation of Angular momentum and energy.

Collision problems.

The two-body problem: Centre-of-mass co-ordinates.

Coupled oscillators.

C. Dynamics of a Rigid Body

Moments of inertia, Parallel and perpendicular axes theorems. Instantaneous axis. Principal axes of inertia. Motion of a symmetric top.

Paper 2

Coulomb's Law and electric charge. Energy of a system of charges. Line and surface integrals. Divergence and curl. Gauss' and Stoke's Laws. Potential function. Uniqueness Theorem. Charge transport and Ohm's Law. Lorentz transformation of length and time.

Transformation of momentum and energy.

Force transformation. Electric and magnetic fields transformations. Vector Potential.

Self and Mutual Inductance.

Maxwell's equations.

Paper 3

Vibrations and waves: Kinematic and dynamics of one dimensional and plane waves; wave and group velocities; standing waves.

Physical Optics: Interference, coherence and incoherence; **Fresnel and Fraunhofer diffraction.**

Course III

(Three papers)

The course comprises: 6 lectures and 2 practical sessions per week. This course can only be done after Mathematics II or Applied Mathematics II.

(First Paper)

Modern Physics

Brownian motion and Avogadro number. Discovery of electron. Michelson-Morley experiment. Inertial systems. Galilean and Lorentz transformation. Two postulates of relativity. Addition of velocities. Transformation of energy-momentum. Rutherford experiment. Nuclear masses. Isotopes. Blackbody radiation. Planck law and quantum hypothesis. Photoelectric effect. X-rays and Compton effect. Matter diffraction and de Broglie hypothesis. Heisenberg uncertainty principle. Schrodinger equation and solution for simple cases. Barrier penetration. Hydrogen atom by Bohr and Schrodinger theories. Spectra. Selection rules. Spin. Pauli principle. Radioactivity. Nuclear reactions and models.

(Second Paper)

Heat

Temperature. Work. First law of thermodynamics. Ideal gas. Kinetic theory. Second law of thermodynamics. Engines. Refrigerators. Reversibility. Absolute temperature. Entropy. Carnot cycle. Statistical basis of heat. Entropy as disorder. Partition function. Equipartition of energy.

Thermodynamic functions. Heat capacity relations. Generation and measurement of very low temperatures. Third law of thermodynamics. Applications in classical and quantum physics.

(Third Paper)

Electronics

A.C. circuit theory

Semiconductor devices and their characteristics. Amplification: voltage, pulse, power. Noise. Negative feedback: voltage, current. Stability. Operational amplifiers. Regulated power supplies. Positive feedback, oscillators, multivibrators. Waveform generators. Coincidence and anti-coincidence circuits. Binary numbers. Logical gates. Digital Honours integrated circuits.

Honours

Theory: Six papers comprising the following topics:

Paper A. Advanced Classical Mechanics

Paper B. Electrodynamics

Paper C. Quantum Mechanics

Paper D. Statistical Mechanics

TWO other topics chosen from:

Paper E. Mathematical Methods of Physics

Paper F. Nuclear Physics

Paper G. Solid State Physics.

A student may with the permission of the Head of the Department substitute one or two of the topics 5, 6 and 7 with honours level topics in the departments of Mathematics and/or Applied Mathematics, provided permission from the Heads of the departments concerned has been obtained.

Paper H. Practical: A prescribed set of experiments on the above topics.

Honours Course in Theoretical Physics

This course is offered in the departments of Physics and Applied Mathematics.

Theory: Seven papers comprising the following topics:

Paper A. Advanced Classical Mechanics

Paper B. Electrodynamics

Paper I. Mathematical Techniques

Paper C. Quantum Mechanics

Paper D. Statistical Mechanics

and TWO other individually approved topics in the Department of Applied Mathematics.

Paper J. Practical: At least six individually approved experiments.

Masters

The degree is based on an approved dissertation, although additional examinations may be required of a candidate.

Doctors

The degree is based on an original research thesis worthy of publication in a professional journal.

STATISTICS**Course I***(One paper)*

Mathematics: Differentiation and integration of elementary functions. Extreme Values.

Statistics: Collection of statistical data, classification, tabulation and graphical representation. Combinations and permutations. Elementary probability theory.

Probability distributions.

Elementary sampling theory. Tests of hypothesis (parametric and non-parametric) and interval estimation.

Regression, correlation and curve fitting.

Index numbers and time series.

Quality control and sampling inspection.

Course II*(Two papers)*

The course comprises lectures and one practical session per week.

Mathematics: Integration. Multiple integration.

Determinants. Solution of simultaneous equations.

Series. Convergence and divergence.

Taylor and Maclaurin expansions of functions.

Gamma and Beta functions.

Matrix theory. Curve fitting.

Statistics: Probability theory. Distribution of random variables.

(One- and higher-dimensional). Characterization of random variables. Some standard distributions.

Moment generating functions.

The law of large numbers and the central limit theorem.

Introduction to sampling theory, point estimation of parameters, interval estimation and hypothesis testing.

Course III*(Two papers)*

The course comprises lectures and one practical session per week.

Distribution functions. Transformation of variables. Distribution of sample values and order statistics. Limiting distributions.

Point estimation. Sufficiency. Properties of estimates. Interval estimation.

Bayesian estimates. Tolerance limits.

Theory and applications of hypothesis testing; parametric and non-parametric methods.

Bivariate and Multivariate normal distributions. Normal correlation and regression theory. Analysis of variance.

SURVEYING**First Year****Surveying I:****Paper 1 Introduction to Surveying:**

Elementary definitions and review of the scope of the discipline of surveying. Historical development. Basic spherical trigonometry. Introduction to cartography and map projections. Description of the South African Geodetic System. Introduction to Photogrammetry.

Paper 2 Instruments and Methods:

Linear and angular measurements; theory, instruments and applications. Instruments and methods for height determination. Plane table and tacheometric surveying. Traversing, triangulation and trilateration.

Numerical and Computational Methods:

(One paper of 2 hours)

Introduction to computers. Elementary programming with simple applications involving standard numerical methods for the solution of equations, graphing of functions, differentiation, integration and linear regression.

Surveying Project I:

This will be satisfactorily carried out on a full-time basis during the fortnight immediately following the written examination in October – November.

Second Year**Surveying II****Paper 1 Instruments and Methods:**

Theory of instruments; theodolites and levels including automatic indexing instruments and compensators; self reducing tacheometers. Instrumental errors and adjustments. The use of the Gauss Conform projection for surveying. Local systems. Tertiary and minor triangulation and trilateration networks; instruments, reconnaissance, observations, calculations and adjustments. Trigonometrical levelling; curvature and refraction, field methods, adjustments of trigonometrical levelling nets. Subtense measurements; instruments, field methods, error analysis.

Paper 2 Survey Computations:

Observational errors; types, quantification, propagation. Linearisation. Solution of linear equations.

Adjustments; concepts, non-rigorous and semi-graphical methods, method of least squares. Simple transformations in two and three dimensions. Applications involving computer programming.

Engineering Surveying:

(One paper)

Route surveying; circular and transition curves, vertical curves.

Areas and volumes; earthworks and quantity determinations. Setting out of works.

Application of lasers. Tunnel and mine surveying. Practical application of gyrotheodolite.

Field Astronomy:

(One paper)

Review of spherical trigonometry. Uses of spherical astronomy.

The motion of celestial bodies, the celestial sphere, coordinate and time systems. Factors

affecting changes in star coordinates. Time recording. Astronomical refraction. The determination of latitude, longitude and azimuth, using theodolite and prismatic astrolabe. Solar observations.

Survey Project II

As for Survey Project I

Third Year

Surveying III:

Paper 1 Instruments and Methods:

Theory of atmospheric refraction. Electronic distance measurement; principles, instruments, techniques, accuracies. Precise traversing; instruments, reconnaissance, observations, calculations and adjustment. Testing and calibration of surveying instruments; graduation errors of theodolite circles, levelling staves and tapes.

Paper 2 Survey Computations:

General least squares adjustments. Phased adjustment. Precision estimation. Post adjustment statistical analysis. Error ellipses. Preanalysis and adjustment of traverses and networks. Advanced interpolation methods. Curve and surface fitting. Overdetermined coordinate transformations.

Cartography:

Paper 1 Map Projections and Digital Mapping:

Map projections, principles, analysis of distortion. Mathematical treatment and use of selected projections.

Introduction to computer assisted cartography, objectives, hardware and software, digitizing, vector and raster format data. Topographic and resource mapping. Digital terrain models. Plotting of graticules and maps by manual and computer methods.

Paper 2 Cartographic Processes:

Map design; monochrome and colour, typography, depiction of relief, selection, generalization, exaggeration, sheet lines, map referencing. Geographical names. Marginal data. Map production; techniques, materials and media, editing. Map revision. Production of orthophoto maps. Organisation; production planning, quality control, cost estimation.

Photogrammetry and Remote Sensing:

(One paper)

Air photography; instrumentation, photo imagery, calibration. Plotting instruments; design principles, orientation and plotting, production of orthophotos and digital terrain models. Photogrammetric triangulation; principles and theory, semi-analytical and analytical methods, adjustment techniques. Terrestrial and close-range photogrammetry. Applications. Project planning; organisation, flight planning, specifications and cost estimation.

Introduction to remote sensing; photographic and non-photographic sensors and platforms, fundamentals of analogue and digital image analysis, applications.

Cadastral Surveying:

(One paper)

Introduction to principles of land tenure. The need for cadastral surveys and the registration of deeds and titles.

Southern African systems.

Boundary demarcation; delineation, restoration and encroachment.
Curvilinear boundaries. Registration of land rights. False encroachment.

Fourth Year

Surveying IV

Paper 1 Geodetic Surveying:

Precise geodetic levelling; theory, instruments, methods, precision and accuracy. Network design, reconnaissance and observations. Three dimensional triangulation. Positioning using earth satellite and inertial systems; principles, instrumentation, precision and accuracy, applications. Geodetic astronomy; precise determination of latitude and longitude, polar motion, precise determination of azimuth, laplace azimuth equation, applications.

Paper 2 Miscellaneous techniques:

Application of network design and analysis. Short range high precision distance measurement. Relative height determination including hydrostatic levelling.

Setting out and precision alignment. Hydrographic surveying; position determination, acoustic measuring systems, hydrographic mapping.

Gyroscopic determination of azimuth; theory and precise methods.

Geodesy:

(One paper)

Mathematical and computational geodesy: Geometry of the spheroid. Conformal projections. Transformation between coordinate systems. Geodetic datums and datum shift. Reduction of measured distances and angles to the spheroid.

Physical geodesy: The Earth's gravity field, normal and anomalous.

Geoidal heights and deflections of the vertical. Gravity measurements; instrumentation and reduction.

Earth tides and sea surface topography.

Urban Development and Township Planning:

Paper 1 Township Planning:

Historical outline of urban planning. Survey and analysis of land use, site analysis. Practical application of town planning theory. Standards for town development. Engineering aspects of planning. Township design. Statutory regulations and procedures.

Paper 2 Land Economics:

Factors affecting land use and development. Elementary economic theory. Economic factors governing development and redevelopment. Determination of economic resources. Financial resources of local authorities and their influence on planning proposals. The function of the valuator and elementary principles on valuation. The influence of land tenure and planning proposals on established and potential values. Compensation and betterment. Comparison of various forms of land development from the point of view of both private and community costs and benefits.

Paper 3 Practical Test:

Candidates will be set a problem and will be asked to formulate their proposals in principle in the form of a sketch plan to be completed within eight hours. Final proposals will then be submitted in the form of a fair drawing not later than 12 noon on the fourth day following the day on which the practical test was commenced. The fair drawing may not depart in principle from the sketch plan.

Professional Practice:**Paper 1 Land Tenure:**

Land tenure systems; origins and development, comparison of systems.

Land registration systems; deeds registration, registration of title, introduction and maintenance of systems, adjudication.

Land cadastre; boundary definition and determination, comparison of cadastral survey techniques, evolution of the cadastre into a multi-purpose record.

Paper 2 Legislation and Administration:

Legislation and administrative procedures relating to the survey, registration and ownership of real property. Structure of the surveying profession; professional conduct, registration and disciplinary control.

Land consultancy and feasibility studies. Assessment of the value of maps and other land information services.

Aspects of office management.

Prescribed Practical Project:

The project will consist of three parts as follows:

- Part 1 Field Astronomy Test
- Part 2 Cadastral Reconstruction Problem
- Part 3 Minor Thesis.

The final date for the submission of reports in respect of all parts will be the day on which the October — November examinations cease.

SPECIAL COURSES CONDUCTED IN OTHER DEPARTMENTS IN THE FACULTY OF SCIENCE

Applied Mathematics IIS

(One paper)

Analytical methods; review of fundamental concepts, series, differentiation and integration formulas, linear equations and determinants, complex numbers.

Vector analysis; vector algebra, formulas involving the del operator, jacobians of transformation, curvilinear coordinates. Matrices; review of basic concepts, orthogonality, eigenvalues and eigenvectors, diagonalization, calculus of variations.

Multiple integrals and integral theorems; line and surface integrals, Green's and Stoke's theorems.

Fourier series and Fourier integrals. Complex variables and conformal mapping. Curve fitting and approximation of functions.

Geography IS

(One paper)

Practical:

Map reading; map use and orientation, map references, enlargement and reduction, relief representation and profiles.

Introduction to petrology and geological mapping. Elementary statistical methods, choropleth maps. Introduction to photo interpretation.

Geomorphology:

The geomorphological cycle, weathering processes landforms associated with the normal cycle of erosion, streams as agents of sediment transport and deposition, glaciers and glacial

action, aeolian processes, the influence of tides waves and currents on the distribution of marine sediments and on coastal landforms.

Statistics IS

(One paper)

Introductory concepts and definitions. Sampling methods. Measurement scales. Variables. Measures of location and dispersion.

The least squares principle.

Linear regression and correlation.

Elementary probability theory and probability distributions: Binomial, Poisson, Normal.

Use of statistical tables.

Means, proportions, variances and correlation co-efficients. Sampling distributions, confidence intervals and hypothesis testing.

Time series.

Physics IIS

(One paper)

Geometrical optics; reflection, refraction, dispersion, aberrations, stop theory, optical instruments, resolving power. Photometry. Physical optics; velocity of light, interference, diffraction, polarization. Photoelectric effect and devices. Kerr cell. Lasers.

Alternating current theory; circuits with resistance, capacitance and inductance, series and parallel resonant circuits, power. Electronic devices; vacuum tubes, transistors, oscillators, frequency mixers, cathode ray tube. Underwater acoustics; simple transducers, propagation of sound waves in sea water, acoustic intensity and impedance for waves, reflection and transmission coefficients, total internal reflection, refraction effects, sound levels, source level, attenuation by spreading and absorption.

SPECIAL COURSES CONDUCTED BY OTHER FACULTIES

Elementary Macroeconomics

(One paper)

(Conducted by the Faculty of Economic Sciences)

Total output and the price level. Money and the banking system. The Reserve Bank and the monetary system. The income-expenditure model. Monetary and fiscal policy. The economics of international trade. The international monetary system.

Aspects of Law for Surveyors

(One paper)

(Conducted by the Faculty of Law)

Law of Property with emphasis on real rights, servitudes, conveyancing and mortgages.

Introduction to basic principles of contract and partnership.

Introduction to basic concepts of delict.

ZOOLOGY

Course I

The final examination of the course will consist of a theoretical paper of three hours duration.

The year mark will be based on the theoretical work and practical work which the student has done during the year.

The general anatomy, physiology, reproduction, distribution and life cycles of animal-structural types are studied in this course as an introduction to the Science of Zoology.

Course II

The final examination of the course will consist of two three-hour papers. The yearmark will be based on the theoretical work and practical work which the student has done during the year.

1. Principles of Taxonomy.
2. Survey of the Invertebrata.
3. Introduction to Parasitology.
4. Principles of Ecology.
5. Introduction to Cytology and Genetics.

Course III

The final examination of the course will consist of two theoretical papers of three hours each. The yearmark will be based on the theoretical work and practical work which the student has done during the year.

1. Nature, origin and systematics of the Chordata.
2. Vertebrate embryology.
3. Basic Cell functions.
4. a. Biological Control systems.
b. Co-ordinated Body functions.
5. Phylogeny of structure and structural adaptations of the Vertebrate groups.
6. Environmental studies.
7. Behaviour in animals.

Honours Course (Research Specialization)

The final examination of the course will consist of:

Paper A. General Zoology and Evolution

Paper B. Ecology

Paper C. Cytology, Physiology and Embryology

Paper D. Mini-dissertation

This is a one year course for full-time students, but part-time students will be required to do the same course in a minimum of two years. Candidates for the course must have obtained a minimum mark of 60% in the finals of their Zoology III examinations and have passed Chemistry I. Before being credited with Zoology Honours students must also have passed Botany I, Biochemistry I and Statistics I or Biometry I or Mathematics I.

This course must be regarded as a basic training course in zoological research. The students will be required to write seminars on the various topics listed below. The reference lists will have to reflect the extensive "literature following up" which was done in journals and abstract journals such as Zoological Record and other similar reference works.

Section A:

The student may be questioned on the contents of this section in his oral examination. No seminars have to be written on these topics, but the student must read the relevant references

and make his own short notes on the topics.

1. The use and indexing of scientific literature.
2. The writing of scientific papers.
3. The general principles of taxonomy.
4. Microtomy.
5. Modern techniques for the measurement of the chemical and physical properties of water, soil, and the atmosphere.
6. The Scientific approach in research.
7. Museum Techniques.

Section B. General Zoology

Three topics are to be dealt with, chosen from the following study-directions.

1. New advances in Cytology.
2. New advances in Molecular Biology.
3. New advances in Genetics.
4. New advances in Embryology.
5. New advances in Animal Physiology.
6. Human population dynamics.

Section C.

Studies in Parasitology. Three topics are to be dealt with.

1. Microbiology.
2. Epidemiology and Control.
3. Morphology and phylogeny of Specific parasites.
4. Immunology.
5. Biochemistry and Genetics.

Section D:

Studies in Ecology. Four topics are to be dealt with.

1. Principles of Ecology.
2. Freshwater Ecology.
3. Soil Ecology.
4. Pollution.
5. Nature Conservation.

Section E:

A student will be required to carry out a project of limited scope in each of the sections C and D and report on it before commencing the final written examinations.

Honours Course (Teaching Specialization)

The final examination of the course will consist of:

- Paper A.** General Zoology and Evolution
Paper B. Ecology
Paper C. Cytology, Physiology and Embryology
Paper D. Mini-dissertation

This is a one year course for full-time students, but part-time students will be required to do the same course in a minimum of two years. Candidates for the course must have passed a professional teachers training course and Chemistry I. Before being credited with the degree

candidates must also have passed Botany I and Philosophy I, or have at least been admitted to the examination in Philosophy I.

The students will be required to write seminars on topics selected from the fields of study listed in sections A, B and C. The reference lists will have to reflect the extensive "literature following up" which was done in journals and abstract journals such as "Zoological Record" and other similar reference works. The topics listed in section D will form the basis for the oral examination.

Section A. Evolution and Taxonomy

At least three topics to be dealt with:

1. Modern theories on the evolution of life.
2. Evolution in the Primates with special reference to the genus *Homo*.
3. The principles of Taxonomy.
4. The "Species" Concept.
5. Human population dynamics.

Section B. Nature Conservation

Four topics to be dealt with:

- (a) The soil Ecosystem.
- (b) The Freshwater Ecosystem.
- (c) Marine Ecosystem.
- (d) Pollution.
- (e) Principles and practices in Nature Conservation.

Section C. General Zoology

Three topics to be dealt with:

1. New advances in Cytology.
2. New advances in Molecular Biology.
3. New advances in Genetics.
4. New advances in Embryology.
5. New advances in animal Physiology.

Section D. Museum Management and Technology

1. Museum Administration.
2. The preparation of Invertebrate Museum Materials.
3. The preparation of Vertebrate Museum Materials.
4. Microtomy Techniques.
5. The use and indexing of Scientific literature.
6. Writing scientific papers.

Section E. Projects

- (a) A project of limited scope on Nature Conservation.
- (b) A project involving the preparation of Invertebrate or Vertebrate materials for museum exhibition.

Engineering Drawing & Design 1A

(Two papers)

Paper 1 (Three hours) Drawing

Use of drawing instruments and materials. Layout of drawing, lettering and dimensioning. Terminology used on engineering drawings. Conventional symbols and abbreviations, line

alphabet. Orthographic projections, first and third angle projection, principle views of simple block models, sectioning. Pictorial views; isometric projection, oblique drawing, freehand sketching.

Construction of geometrical shapes; polygons, circles, conic sections. Plotting of Co-ordinates. Descriptive geometry; problems involving lines and planes in space. Interpenetration and development of surfaces. Use of the polar planimeter. Contours, profiles, cuttings and embankments. Enlargement and reduction of drawings, use of the pantograph and optical methods.

Paper 2 (One and a half hours) Computations.

Introduction to Computers; programming pocket computers, elementary FORTRAN programming with simple applications.

Engineering Drawing and Design 1B

(Two papers)

This course is intended to introduce the student to engineering design, the identification and solution of engineering problems and more advanced engineering problems and more advanced engineering drawing than that dealt with in the course Engineering Drawing and Design 1A.

Paper 1: Introduction to Design

Engineering materials and components, standards, stresses in materials, safety factors. The design process; problem identification, sources of information and communication, analysis and modelling, feasibility, studies, detailed design, execution, re-evaluation and feedback. Solution of problems and applications involving dimensional analysis, mechanics, areas and volumes.

Paper 2: Engineering Drawing

Machine drawings; tolerances, limits fits and standard symbols, cams and followers, gears, spirals and helices, screw threads. Graphical Vector Analysis; vector diagrams, link polygon frames. Graphical integration.

Computing and Applied Mathematics

(Two papers)

Paper 1: Computing

Motivation; examples of computer applications in engineering and related fields. Elements of a Computer Processing System; hardware, software including "package" programmes, procedures, personnel. Equipment in a Computer Installation; C.P.V., secondary storage, data preparation equipment, input devices, output devices, minicomputers, microcomputers. FORTRAN programming; I/O statements, assignment statements, control statements including IF and DO, arrays and subscripts, formats, functions and subroutines. Further computer applications in engineering.

Paper 2: Applied Mathematics

Numerical Analysis:

Collocation polynomials; finite differences; factorial polynomials; summation; formulas of Newton, Stirling, Gauss, Bessel and Everett; Lagrange, determinant and Aitkin's formulae for unequally spaced arguments; divided differences; osculating polynomials; Taylor polynomial; interpolation and prediction; numerical differentiation and integration; introduction to simulation of random processes, elementary probability theory; introduction to linear programming.

Analytical Methods:

Fourier analysis, Laplace transforms.

RULES FOR THE DEGREE OF BACCALAUREUS CURATIONIS

1. Admission

Unless the Senate of the University decides otherwise, in the case of 1.2 and 1.3, a candidate shall be admitted to the studies for the degree of Baccalaureus Curationis, only if he or she

- 1.1 is in possession of a Matriculation Certificate from the Matriculation Board, or a certificate of exemption issued by that Board*;
- 1.2 submits proof of registration as a student nurse with the Nursing Council**;
- 1.3 submits proof of holding a post as a student nurse at a training hospital approved by the Nursing Council.

2. Duration of Study

- 2.1 The curriculum shall extend over a period of four and a half years of full-time study.
- 2.2 Sick leave of not more than 54 days may be allowed. If sick leave is taken in excess of 54 days, the course will be extended by an equivalent period. Should a candidate interrupt her practical training for any reason other than the above, a period equal to the full extent of the interruption must be made up before the degree will be conferred.

3. Practical and Clinical Training

- 3.1 A candidate must hold a post as a student nurse at an approved training hospital where all clinical training is administered for the duration of the course.
- 3.2 A candidate is required to visit outside clinics.

4. Obtaining the Degree

- 4.1 The degree shall be obtained by completing the courses prescribed by the Senate.
- 4.2 The degree shall be awarded cum laude if a candidate obtains an average of 75% in the examination, in the final year, and an average of at least 60% for the course.

5. Promotion to a following Year of Study

- 5.1 Unless the Senate decides otherwise, a candidate must pass the following courses in the first year of study before he or she will be admitted to the second year of study:

Nursing Science and Art I
Elementary Chemistry, Biochemistry and Applied Medical Biophysics I
Human Science I
Ethos of Nursing I

* It is recommended that Mathematics and/or Science be taken as a matriculation subject.

**Such registration will be undertaken by the Nursing Department on behalf of the student after enrolment.

- 5.2 A candidate shall be admitted to the third year of study only if he or she has, in addition to the courses in 5.1, also passed the following courses:
 Nursing Art and Science II
 Anatomy I
 Physiology I
 Community Health Nursing I
- 5.3 A candidate shall be admitted to the fourth year of study only if he or she has passed all the courses prescribed for the first and second year of study, as well as all the third year courses.
- 5.4 A candidate shall be admitted to the fifth year of study only if he or she has passed all the courses of the fourth year.

6. Curriculum

6.1 First Year.

- Examination Subjects; (i) Nursing Science and Art I
 (ii) Elementary Chemistry, Biochemistry and Applied Medical Biophysics I
 (iii) Human Science I
 (iv) Ethos of Nursing I
- Attendance Course
 English (Special)
 (A minimum of 500 hours clinical practicals are required for the first year)

6.2 Second Year.

- Examination Subjects; (i) Nursing Science and Art II
 (ii) Anatomy I
 (iii) Physiology I
 (iv) Human Science II
 (v) Community Health Nursing I
- (3000 hours general clinical practicals will be divided among the first, second, third and fourth years of study. The student will also be required to undertake a minimum of 160 hours Community Health Nursing Practicals during this year).

6.3 Third Year.

- Examination Subjects; (i) Nursing Science and Art III
 (ii) Community Health Nursing II
 (iii) Midwifery I
 (iv) Microbiology, Parasitology, General Pathological Anatomy and Pharmacology I
- (160 hours Community Health Nursing Practicals will be undertaken during this year of study).

6.4 Fourth Year.

- Examination Subjects; (i) Nursing Science and Art IV
 (ii) Midwifery II
 (iii) Psychiatric Nursing I
 (iv) Health Education I
- (960 hours Midwifery practical will be undertaken during this year of study).

6.5 Fifth Year.

- Examination Subject; (i) Psychiatric Nursing II (½ year course)

(960 hours practical in Psychiatric Nursing will be undertaken during these six months.

(Note the practical work in the hospital forms part of the course. It must be pointed out that although there are times when there is concentrated nursing in a special field the practical will be so constructed as to allow for full integration of all fields of nursing at all years of training. The time spent on it depends on the year of study and is determined at the beginning of each year, depending on the theoretical timetable).

SYLLABUSES OF COURSES

Nursing Science and Art I (150 Lectures)

The anthropological approach in nursing; health services in South Africa; brief outline of structure and function in man; factors which cause ill-health in man; introductory preventive and promotive health concepts including introductory microbiology and parasitology; nutrition; elementary health education principles and methods, basic medical and surgical nursing, including observation and techniques of assessment and recording; pre- and post-operative care; intravenous therapy; intragastric feeding; care of wounds and drains, sepsis and anti-sepsis, oxygen, inhalations, examinations and diagnostic procedure, prescribed treatments, giving of medicines including dangerous dependence-producing medicines, potentially dangerous dependence-producing medicines, and potentially harmful medicines; care of the unconscious patient; first aid; introduction to ward administration; introduction to maternity nursing and care of the newborn; oral and dental hygiene; introduction to the principles of professional practice. Psycho-social aspects in nursing; mental health in the community. Introduction to community health nursing.

Nursing Science and Art II (150 Lectures)

General medical and surgical nursing in relation to all systems of the body with the relevant pathological, diagnostic, therapeutic and special nursing skills related thereto. Paediatrics including mothercraft and the health care of the pre-school child; geriatrics, including preventive and rehabilitative aspects; medico-legal risks in connection with all the above. The socio-agogic aspects of the role of the nurse; psycho-social aspects of all the above conditions.

Nursing Science and Art III (150 Lectures)

A more specialised and intensive study of medical and surgical nursing in connection with all the systems of the body with the special pathological, diagnostic, therapeutic and specialised nursing skills relevant thereto. Special aspects of intensive paediatric nursing; the medical and surgical specialities associated with geriatrics and the nursing related thereto; specialised rehabilitative aspects for all specialities; operating theatre techniques and anaesthetics; intensive nursing care techniques, medico-legal hazards; introductory midwifery with special emphasis on ante-natal care; complications of pregnancy, care of the normal lying-in-mother and baby; special observations; normal midwifery in emergency conditions; examination of the baby for congenital abnormalities; psycho-social aspects in relation to all above aspects.

Nursing Science and Art IV

(160 Lectures)

1. Ward Administration
 - 1.1 General administrative principles
 - 1.2 Role of ward or departmental sister
 - 1.3 Supervision
 - 1.4 Work allocation and duty schedule
 - 1.5 Off-duty schedules
 - 1.6 Ward record keeping
 - 1.7 Supplies and equipment
 - 1.8 Patient care administration
 - 1.9 Patient environment
 - 1.10 Care of patient's effects
 - 1.11 Consent to treatment and operations
 - 1.12 Evaluation
 - 1.13 Medico-legal hazards
 - 1.14 Infection control
 - 1.15 Drug and medicine control
 - 1.16 Communication
 - 1.17 Wills, confessions and testamentary statements
 - 1.18 Prisoners who are patients
2. The Teaching Function of the Nurse, including Clinical Teaching
3. Advanced Concepts of Professional Practice
4. Provision of Primary Health Service by Nurse Practitioners

Anatomy

(120 Lectures plus 30 x 3 hour Practicals)

Embryology, histology, systematic and regional anatomy of the human body.

(Practicals will be done in the laboratory with slides (embryology and histology), and dissections of vertebrates will be done. In addition students will witness 6 necropsies in a public mortuary).

Physiology

(120 Lectures plus 15 x 2 hour Practicals)

A systemic approach to the study of human physiology.

Microbiology, Parasitology, General Pathological Anatomy and Pharmacology

(120 Lectures)

Microbiology and Parasitology

(40 Lectures including Practica)

The pathogenic bacteria, the morphology of bacteria; staining and cultural characteristics; classification with particular reference to cocci, acid-fast bacilli, gram-positive bacilli, gram-negative bacilli, spirochaetes; fungi; the protozoa, parasitic metazoa viruses and the arthropod-borne diseases.

Pathology

(40 Lectures including Practical)

Repair, regeneration, inflammation and its sequelae in particular sites; pathological changes due to microbial and parasitological invasions; immunity; inflammatory diseases of toxic, allergic

or unknown causes; foreign bodies; extraneous poisons; nutritional, metabolic, circulatory and haemopoietic disturbances, tumours, endocrine disturbances; obstruction and dilation of hollow organs.

Pharmacology

(40 Lectures)

The main medicinal substances and their effects on the human body; the dangers and preventive aspects associated with the use of medicinal substances. Iatrogenic aspects. The main poisons and their effect on human body. Treatment of such conditions. Preventive measures.

Community Health Nursing I

(120 Lectures and 160 hours practicals)

1. Introduction to community health nursing science
2. The history of community health
3. International health aspects, including the World Health Organisation
4. Health services in South Africa, including division of work between different authorities
5. Outline of the organisation of the Department of Health, Welfare and Pensions
6. Basic components of a comprehensive health service
7. Legislation regarding health services and South Africa
8. Demographic aspects; epidemiology and health statistics
9. Conservation of the environment, including air and water pollution, noise and radiation, housing and sanitation — legal aspects
10. An overview of communicable diseases issues
 - Waterborne and food-borne infections
 - Vector borne diseases
 - Zoonosis related to the health of man
 - Venereal diseases
 - Other communicable diseases
11. Nutrition and Health
12. Clinical assessment
13. An introduction to Comprehensive Health Care.

Community Health Nursing II

(120 Lectures and 160 hours practical)

1. Health services in South Africa; with special reference to independent states developments
2. State of health in South Africa, the factors and limitations which affect this
3. Psycho-Social care in relation to community, health nursing science
4. The family as the basis for community health nursing science
5. Economic aspects of Community Health
6. Human genetics
7. Care of the Aged in the community
8. Comprehensive health care: with special reference to all forms of ill-health and the treatment thereof
9. Psychiatric Community Health Care
10. The Community Health Nurse in the various fields including
 - Maternal and Neonatal health
 - The health and development of infants and young children
 - School health services
 - Occupational health

- Geriatric health
- Long-term health care
- District nursing

Midwifery I

(120 Lectures)

(a) Antepartum

- (i) Introduction to Midwifery
- (ii) Normal Pregnancy
- (iii) Abnormal Pregnancy

(b) Intra partum

- (i) Normal labour
- (ii) Abnormal labour

Midwifery II

(120 Lectures and minimum of 960 hours of clinical practice and a minimum of 15 deliveries personally undertaken by each student)

(a) Postpartum

- (i) The puerperium (normal and abnormal)
- (ii) Family Planning

(b) Neonatology

- (i) The new-born
- (ii) Medical problems of the new-born
- (iii) Special categories of babies
- (iv) Still-birth
- (v) Advice to parents of abnormal babies

Psychiatric Nursing I

(120 Lectures)

The nurse as a member of the multi-disciplinary health team; orientation to psychiatric nursing; classification of and introduction to mental illness; general symptomatology and nursing care of functional and of organic disorders; the therapeutic environment; psychiatric nursing skills and therapy; physical treatment; preventive and rehabilitative aspects of psychiatric therapy; the relevant legislation.

Psychiatric Nursing II

(120 Lectures plus a minimum of 960 hours clinical practice)

Psychiatric facilities in the community; comprehensive community care; modern therapeutic methods in psychiatry; mental subnormality and its social and legal aspects; medico-legal risks; ward administration and clinical teaching in psychiatric conditions. The nurse as a psycho-therapist.

Health Education I

(120 Lectures)

1. Theory and practice of health education
2. Aims of health education
3. Responsibility for health education
4. Principles and methods of health education
5. Communication
6. Socio-andragogic aspects

7. Group techniques
8. Audio-visual teaching aids.

Human Sciences I
(120 Lectures)

Psychology and Mental Health Care

Physiological basis of Psychology; the human personality; motivation of conduct; frustration and conflict; defence mechanisms; emotion; attitudes. Group morale, leadership, communication; human relations. The child, the adolescent, the adult and the aged person as a patient. Mental health care. Psychosomatic and psychopathological conditions. Broad concept of the management of patients with mental disturbances in hospitals and in the community.

Sociology and Social Care

Sociological concepts; biological, psychic and ecological influence on society; culture; demographic aspects; status and role; social processes; the socialising process; social groups; the family; sociological approach in race relations; urban and rural areas; social stratification; the mass. Social change and resistance to change; social control and public opinion. Leisure. Socio-pathological manifestations. Interviewing and counselling, Social Care and Assistance and Welfare Services.

Human Science II
(120 Lectures)

1. Understanding human behaviour
2. Wholes and parts in personality
3. The role of development and motivation in behaviour
4. Psychological helping skills
5. Crisis intervention
6. Emotional experiences of the nurse
7. Psychological constructs with direct implications for nursing
8. Deprivation, stress, pain, sleep, anxiety, depression, physical disablement, psychosomatic conditions, death and dying
9. Major social institutions in the health context
10. Social causes of illness
11. Sociology and care of the sick
12. Social pathology and health
13. The hospital as a social organisation
14. Social care

English (Special)

An attendance course only but the student must apply proof of satisfactory attendance. (120 Lectures).

This course is intended for students desiring to take an academic course in English in which the emphasis is on language and communication rather than on the close study of literature. Its purpose is to train students in clear thinking and precise and lucid expression. The course aims at providing knowledge of and practice in the various registers of English which may be useful to students reading for degrees other than an Arts degree. It includes training in the use of English in various practical situations in life, such as, attendance at meetings, elections to committees, handling of reports, notices and communications of various kinds.

Work in the Language Laboratory will be compulsory.

Elementary Chemistry, Biochemistry and Applied Medical Biophysics I
(120 Lectures plus 10 practicals)

The basic principles of inorganic chemistry; the principles of scientific measurement and the basic principles of physics applied to health science; including characteristics of structure and matter; electricity; warmth and temperature; radio activity; chemical combinations and chemical equations; characteristics of acids, bases and salts; characteristics of oxygen and water; oxidation — reduction; liquid — liquid mixtures; preparation and characteristics of hydrocarbons; preparation and characteristics of alcohols, ethers, aldehydes, cetones and esters.

Dynamics : force weight, and gravitational mass; Newton's three laws of motion; equilibrium of a particle; friction and application to bone joints; circular motion in vertical and horizontal planes; weightlessness; electric charges and forces; Coulombs law and structures of matter; work, energy and power; kinetic and potential energies; conservative and non-conservative forces; energy conservation principles; forms of energy; scaling laws in physiology; impulse and inner momentum; conservation of linear momentum; Heat : temperature and temperature scales; gas laws; thermal expansion; heat capacity; phase changes; heat transmission; temperature regulation; first and second laws of thermodynamics; the Carnot cycle and its application to metabolism; Light : reflection; Huygen's principle; mirrors; lenses and optical instruments; the human eye; optical defects; interference; diffraction; polarisation; X-ray production and diffraction and its applications; Particle properties of electromagnetic radiation; the photon; Blackbody radiation; photo-electric effect; Compton effect; X-ray spectrum.

Ethos of Nursing

(120 Lectures)

Introduction to ethis of nursing; historical development of nursing; nursing as an art and skill in primitive and ancient cultures; nursing as a vocation; early professional development; South African history of nursing; Professional development in South Africa; professional practice in nursing; dynamics of professional practice; characteristics of the profession; acts and control of the nursing profession; purpose and functions of a professional association; current moral-ethical problems which can have an influence on nursing practice; professionalising process in nursing.

Rules for the degree of Baccalaureus Artium (Curatiosis)

1. **Admission**

1.1 Unless the Senate decides otherwise, a candidate shall be admitted to the studies for the degree of Baccalaureus Artium (Curatiosis), only if he or she;

1.1.1 is in possession of a Matriculation Certificate from the Matriculation Board, or a certificate of exemption or conditional exemption issued by that Board;

1.1.2 submits proof of registration as a nurse with the Nursing Council. Such registration must be maintained throughout the course.

2. **Duration of study**

The curriculum shall extend over a minimum period of three years of full-time study or four years of part-time study.

3. **Obtaining the degree**

3.1 The degree shall be obtained by completing the courses prescribed by the Senate

3.2 The degree shall be awarded cum laude if a candidate obtains an average of 75% in the examinations and an average of at least 60% for any course.

4. *Promotion to the following year of study*

Unless the Senate decides otherwise, a candidate shall be promoted as follows:

4.1 the second year of study

4.1.1 A full-time candidate must pass all the courses prescribed for the first year of study before he or she will be admitted to the second year of study.

4.1.2 A part-time candidate will be admitted to the second year of study if he or she has passed half of the courses prescribed for the first year of study.

4.2 To the third year of study

4.2.1 A full-time candidate must pass all the courses prescribed for the first and second year of study.

4.2.2 A part-time candidate will be admitted to the third year of study only if he or she has passed all the courses prescribed for the first year of study as well as Nursing Administration II or Nursing Education II and Community Health Nursing II.

5. *Curriculum*

Students have a choice of two curriculums for this degree. Curriculum A leads to majors in Nursing Administration and Community Health Nursing and Curriculum B leads to majors in Nursing Education and Community Health Nursing.

5.1 *Curriculum A*

First Year

Examination Subjects; (i) Nursing Administration I
(ii) Community Health Nursing I
(iii) Nursing Education (Administrative aspects) I
(iv) Public Administration I
(v) Human Sciences I

Attendance Course (iv) English (special)

Second Year

Examination Subjects; (i) Nursing Administration II
(ii) Community Health Nursing II
(iii) Human Sciences II
(iv) Public Administration II

Third Year

Examination Subjects; (i) Nursing Administration III
(ii) Community Health Nursing III
(iii) and one of
Advanced General Nursing I
Advanced Psychiatric Nursing I
Advanced Midwifery I

Note: 1. Between the first and second year and between the second and third year each student must undertake 30 days practice in a Nursing Administration situation to be arranged between the candidate and the head of the department.

2. Community Health Nursing practicals to be carried out by the student during the academic year — 160 hours during the first year; 260 hours during the second year and the third year, that is a total of 420 hours community health nursing practica.

5.2 Curriculum B

First Year

- Examination Subjects; (i) Nursing Education I
 (ii) Community Health Nursing I
 (iii) Nursing Education (Administrative Aspects) I
 (iv) Elementary Chemistry, Biochemistry and Applied Medical Biophysics I
 (v) Human Science I
 (vi) English (Special)
- Attendance Course

Second Year

- Examination Subjects; (i) Nursing Education II
 (ii) Community Health Nursing II
 (iii) Anatomy I
 (iv) Physiology I
 (v) Human Science II

Third Year

- Examination Subjects; (i) Nursing Education III
 (ii) Community Health Nursing III
 (iii) Microbiology, Parasitology, General Pathological Anatomy and Pharmacology I

Note: 1. Practical teaching in a nursing situation must take place each year with a minimum of 15 practical lectures. Eight of these lectures must be undertaken in a clinical practical situation.

Note: 2. Community Health Nursing practical to be carried out by the student during the academic year — 160 hours during the first year and 260 hours during the second year and the third year, that is a total of 420 hours.

SYLLABUSES OF COURSES

Nursing Administration I

(180 Lectures and 30 days practical)

1. General principles of organisation and management
2. Legislation aspects of health services in South Africa
3. Organisation and control of health services in South Africa, including relevant acts and regulations
4. Unit organisation and control
5. Services to the nursing services
6. Organisation of physical facilities and equipment
7. Contemporary problems in nursing
8. Work study
9. Inspections — unit, hospital, extra-institutional health services
10. Medico-legal hazards
11. Meeting and committee procedures
12. Public speaking
13. Accountability
14. Records and reports

15. Recruitment
16. Aspects of industrial psychology applied to nursing administration

Nursing Administration II

(180 Lectures and 30 days practical)

1. Disaster nursing
2. Aspects of hospital planning
3. Management of all non-nursing service such as catering, linen, etc
4. Patient care organisation and control
5. Drug control
6. The role of the nurse administrator
7. Budgeting and cost control
8. Staff development
9. Modern trends in medicine and technology, and the problems related thereto in nursing service
10. Organisational and personnel problems in nursing
11. Writing of reports and memoranda
12. Job analysis, job description and job evaluation
13. Research methods in nursing
14. Supervision
15. Evaluation of patient care
16. Staff-allocation and work load index

Nursing Administration III

(180 Lectures)

1. Significant changes in the community which affect nursing services
2. World wide approach to provisions of health service including W.H.O.
3. Study of nursing resources
4. Occupational health services in a health care delivery system
5. Modern trends in the provision of nursing services
6. Regional control of nursing services
7. Detailed study of administrative aspects of nursing in South Africa
8. Composition of the nursing profession in South Africa relating to provision of health needs
9. Professional associations
10. Modern trends in administration related to nursing administration

Nursing Education I

The nature, scope and method of pedagogics with special reference to the philosophy of education; empirical education including the psychology of learning and related aspects; the place and scope of didactics in the overall structure of pedagogics with special reference to Nursing Education. Ethos of Nursing.

Teaching Skills

The use of the chalk board. Skill in the use of technical aids.

Nursing Education II

(120 Lectures)

Didactical and other educational concepts applied to post-basic nursing education. Preparation of nurses at basic level — comparison with other countries: Principles and methodology of

continuing and in-service education: world trends.

Trends in general education as they affect nursing education.

Trends in medical and paramedical education as they affect nursing education. Medical and technological developments as they affect nursing and the evolving role of the nurse. Social change and its affect on nursing education. Contemporary literature. Collaboration between education and service — student allocation for learning experience; the student of nursing and specific learning needs. Recruitment of students and prevention of student wastage. Post-basic and post-graduate systems of nursing education in South Africa and in other countries. Accountability in nursing education.

Nursing Education III

(120 Lectures)

Social agogic aspects of nursing education in clinical teaching — and agogic aspects. Health education. Preparation of teachers for the nursing profession. Contemporary problems in Nursing education. Modern approaches to educational technology and educational methodology. Latest developments in all specialised aspects of medical and nursing care. Important commissions of inquiry into nursing education. Study of relevant current literature regarding nursing literature. Communication in nursing education. Policy making in nursing education; experimental courses. Research and nursing education.

Community Health Nursing I

(120 Lectures and 160 hours practical)

1. Introduction to community health nursing science
2. The history of community health
3. International health aspects, including the World Health Organisation
4. Health services in South Africa, including division of work between different authorities
5. Outline of the organisation of the Department of Health, Welfare and Pensions
6. Basic components of a comprehensive health service
7. Legislation regarding health services in South Africa
8. Demographic aspects; epidemiology and health statistics
9. Conservation of the environment, including air and water pollution, noise and radiation, housing and sanitation — legal aspects
10. An overview of communicable diseases issues
 - Waterborne and food-borne infections
 - Vector borne diseases
 - Zoonosis related to the health of man
 - Venereal diseases
 - Other communicable diseases
11. Nutrition and Health
12. Clinical assessment
13. An introduction to Comprehensive Health Care.

Community Health Nursing II

(120 Lectures and 260 hours practical)

1. Health services in South Africa; with special reference to independent states developments
2. State of health in South Africa, the factors and limitations which affect this
3. Psycho-Social care in relation to community health nursing science
4. The family as the basis for community health nursing science
5. Economic aspects of Community Health

6. Human genetics
7. Care of the Aged in the community
8. Comprehensive health care: with special reference to all forms of ill-health and the treatment thereof
9. Psychiatric Community Health Care
10. The Community Health Nurse in the various fields including
 - Maternal and Neonatal health
 - The health and development of infants and young children
 - School health services
 - Occupational health
 - Geriatric health
 - Long-term health care
 - District nursing

Community Health Nursing III

(120 Lectures)

1. Research in Community Health
2. Occupational Health
3. Family Planning
4. Modern trends, local and international, in the provision of health care
5. Integration of health planning with socio-economic planning; integration of services, governmental, welfare and private
6. Health Education
 - Theory, practice and principles of H.E.
 - Aims of H.E.
 - Communication
 - Socio-androgogic aspects
 - Group techniques
 - Audio-visual teaching aids

Nursing Education (Administrative Aspects) I

(120 Lectures)

1. Authorities responsible for nursing education in South Africa — financial aspects
2. The nursing education systems in South Africa
3. Regulations that affect training
4. Administration of a nursing school
5. Student selection
6. Clinical Teaching; the teaching function of the registered nurse; control of clinical practical teaching
7. Student placement — liaison between teaching and service departments
8. Correlation of theory and practice
9. Control of training centres — inspection aspects
10. Control of learning resource centres, including libraries, audio-visual material, modes and charts
11. Programming — organisation and implementation of in-service education and continuing education
12. History of nursing education
13. Purpose and objectives of nursing education
14. International approaches to nursing education

15. Nursing students — their characteristics and needs
16. Counselling student nurses
17. Teaching strategies in nursing education
18. Evaluation in nursing education
19. Curriculum planning

Public Administration I

(120 Lectures)

1. General introduction to the study of Public Administration
2. The historical development of the field of administration
3. Public Administration in relation to other social sciences
4. History of government institutions in South Africa
5. Reasons for the existence of local authorities, with special reference to South Africa
6. Duties, powers and functions of councils and town clerks
7. Analysis of the systems of local authorities in South Africa

Public Administration II

(120 Lectures)

1. The determination of policy in the public sector
2. Personnel administration
3. Analysis of the Functions and administrative institutions of a municipality
4. Organisational theory
5. Public Financial Administration.

Human Sciences I

(120 Lectures)

PSYCHOLOGY AND MENTAL HEALTH CARE

Psychological basis of Psychology; the human personality; motivation of conduct; frustration and conflict; defence mechanisms; emotion; attitudes. Group morale, leadership, communication; human relations. The child, the adolescent, the adult and the aged person as a patient. Mental health care. Psychosomatic and psychopathological conditions. Broad concept of the management of patients with mental disturbances in hospitals and in the community.

SOCIOLOGY AND SOCIAL CARE

Sociological concepts; biological, psychic and ecological influence on society; culture; demographic aspects; status and role; social processes; the socialising process; social groups; the family; sociological approach in race relations; urban and rural areas; social stratification; the mass. Social stratification; the mass. Social change and resistance to change; social control and public opinion. Leisure. Socio-pathological manifestations. Interviewing and counselling. Social Care and Assistance and Welfare Services.

Human Science II

(120 Lectures)

1. Understanding human behaviour
2. Wholes and parts in personality
3. The role of development and motivation in behaviour
4. Psychological helping skills
5. Crisis intervention
6. Emotional experiences of the nurse

7. Psychological constructs with direct implications for nursing
8. Deprivation, stress, pain, sleep, anxiety, depression, physical disablement, psychosomatic conditions, death and dying
9. Major social institutions in the health context
10. Social causes of illness
11. Sociology and care of the sick
12. Social pathology and health
13. The hospital as a social organisation
14. Social care

English (Special)

An attendance course only but the student must supply proof of satisfactory attendance. (120 Lectures)

This course is intended for students desiring to take an academic course in English in which the emphasis is on language and communication rather than on the close study of literature. Its purpose is to train students in clear thinking and precise and lucid expression. The course aims at providing knowledge of and practice in the various registers of English which may be useful to students reading for degrees other than an Arts degree. It includes training in the use of English in various practical situations in life, such as, attendance at meetings, elections to committees, handling of reports, notices and communications of various kinds.

Work in the Language Laboratory will be compulsory.

Elementary Chemistry, Biochemistry and Applied Medical Biophysics I

(120 Lectures plus 10 practicals)

The basic principles of inorganic chemistry; the principles of scientific measurement and the basic principles of physics applied to health science; including characteristics of structure and matter; electricity; warmth and temperature; radio activity; chemical combinations and chemical equations; characteristics of acids, bases and salts; characteristics of oxygen and water; oxidation — reduction; liquid — liquid mixtures; preparation and characteristics of hydrocarbons; preparation and characteristics of alcohols, ethers, aldehydes, ketones and esters.

Dynamics : force weight, and gravitational mass; Newton's three laws of motion; equilibrium of a particle; friction and application to bone joints; circular motion in vertical and horizontal planes; weightlessness; electric charges and forces; Coulombs law and structures of matter; work, energy and power; kinetic and potential energies; conservative and non-conservative forces; energy conservation principles; forms of energy; scaling laws in physiology; impulse and inner momentum; conservation of linear momentum; Heat : temperature and temperature scales; gas laws; thermal expansion; heat capacity; phase changes; heat transmission; temperature regulation; first and second laws of thermodynamics; the Carnot cycle and its application to metabolism; Light : reflection; Huygen's principle; mirrors; lenses and optical instruments; the human eye; optical defects; interference; diffraction; polarisation; X-ray production and diffraction and its applications; Particle properties of electromagnetic radiation; the photon; Blackbody radiation; photo-electric effect; Compton effect; X-ray spectrum.

Microbiology, Parasitology, General Pathological Anatomy and Pharmacology

(120 Lectures)

Microbiology and Parasitology

(40 Lectures including Practica)

The pathogenic bacteria, the morphology of bacteria; staining and cultural characteristics; classification with particular reference to cocci, acid-fast bacilli, grampositive bacilli, gram-

negative bacilli, spirochaetes; fungi; the protozoa, parasitic metazoa viruses and the arthropod-borne diseases.

Pathology

(40 Lectures including Practica)

Repair, regeneration, inflammation and its sequelae in particular sites; pathological changes due to microbial and parasitological invasions; immunity; inflammatory diseases of toxic, allergic or unknown causes; foreign bodies; extraneous poisons; nutritional, metabolic, circulatory and haemopoietic disturbances, tumours, endocrine disturbances; obstruction and dilation of hollow organs.

Pharmacology

(40 Lectures)

The main medicinal substances and their effects on the human body; the dangers and preventive aspects associated with the use of medicinal substances. Iatrogenic aspects. The main poisons and their effect on human body. Treatment of such conditions. Preventive measures.

Anatomy

(120 Lectures plus 30 x 3 hour Practicals)

Embryology, histology, systematic and regional anatomy of the human body.

(Practicals will be done in the laboratory with slides (embryology and histology), and dissections of vertebrates will be done. In addition students will witness 6 necropsies in a public mortuary).

Physiology

(120 Lectures plus 15 x 2 hour Practicals)

A systemic approach to the study of human physiology.

RULES FOR THE DEGREE OF MAGISTER CURATIONIS

1. *General*

The general rules for Masters' degrees are applicable.

2. *Admission*

Unless the Senate decides otherwise and subject to the specific requirements set out in rule 3 for particular fields of study, unless the Senate decides otherwise, a candidate shall be admitted to the studies for the degree of Magister Curationis and in addition she must hold an approved post in which the particular speciality for which advanced study is being undertaken, is practised and if she holds:

- 2.1 the degree B.Cur., or B.Cur. (I. et A.); or
- 2.2 a bachelor's degree in nursing, and is registered as a general nurse and midwife (in the case of males as a general nurse plus any other post-basic registration); or
- 2.3 a degree which is normally taken over a period of four years, and is registered as a general nurse and midwife (in the case of males as a general nurse plus any other post-basic registration) and has completed at least an approved one-year diploma in nursing education at a University after such registration; or
- 2.4 a degree (other than in nursing) which is normally taken over a period of 3 years, and is registered as a general nurse and midwife (in the case of males as a general nurse plus any other post-basic registration) and has completed at least an approved two-

year diploma or two one-year diplomas in nursing education at a University after such registration.

3. *Fields of Study*

3.1 The degree of M. Cur. may be obtained in one of the following fields of study:

- Advanced General Nursing
- Advanced Community Health Nursing
- Advanced Nursing Administration
- Advanced Psychiatric Nursing
- Advanced Midwifery and Gynaecological Nursing
- Advanced Nursing Education

3.2 The admission requirements for the different fields of study are as follows:

- Advanced General Nursing
Registration with the Nursing Council as a general nurse plus any other post-basic registration.
- Advanced Community Health Nursing
Registration with the Nursing Council as a community health nurse.
- Advanced Nursing Administration
Registration with the Nursing Council as a general nurse and a midwife and as a nurse administrator for which the qualification was obtained at a university. In the case of males, registration as a general nurse plus any other post-basic registration and as a nurse administrator for which the qualification was obtained at a university.
- Advanced Psychiatric Nursing
Registration with the Nursing Council as a psychiatric nurse and registration in one other recognised nursing field.
- Advanced Midwifery and Gynaecological Nursing
Registration with the Nursing Council as a general nurse and midwife.

4. *Duration of Study*

The curriculum shall extend over a minimum period of two years.

5. *Obtaining the Degree*

- 5.1 The degree shall be obtained by completing:
- 5.2 a treatise and
- 5.3 the courses as prescribed by the Senate.
- 5.4 The examination on part 1 of the curriculum may be taken only after one year of study and on part 2 after two years of study. The examination may take the form of an oral or a written examination. The treatise may be handed in only after at least eighteen months of study.
- 5.5 The degree shall be awarded cum laude if a candidate obtains an average of 75% in the examinations and treatise and an average of at least 60% for any course.

6. *Curriculum*

6.1 Part 1 (First year of study)

- (1) A candidate must complete the following:

- Ethos of Nursing 4
- Statistics
- Sociology of Nursing 1
- Underlying Principles of Legislation and Statutory Bodies related to Nursing 1

- 6.2 A candidate in possession of a B.A. (Cur), B.Cur or B.Cur (I. et A.), may apply for exemption from corresponding courses successfully completed.
- 6.3 A candidate for the M.Cur (Advanced General Nursing) degree must, in addition to the courses mentioned in 6.1., complete the following courses:
- (i) Advanced General Nursing 1
 - (ii) Advanced General Nursing 2
- 6.4 A candidate for the M.Cur (Advanced Community Health Nursing) degree must, in addition to the courses mentioned in 6.1., complete the following courses:
- (i) Community Health Nursing 2
 - (ii) Community Health Nursing 3
 - (iii) Advanced Community Health Nursing 1
- 6.5 A candidate for the M.Cur (Advanced Nursing Administration) degree must, in addition to the courses mentioned in 6.1., complete the following courses:
- (i) Advanced Nursing Administration 1
 - (ii) Public Administration 3
- 6.6 A candidate for the M.Cur (Advanced Psychiatric Nursing) degree must, in addition to the courses mentioned in 6.1., complete the following courses:
- (i) Advanced Psychiatric Nursing 1
 - (ii) Advanced Psychiatric Nursing 2
- 6.7 A candidate for the M.Cur (Advanced Midwifery and Gynaecological Nursing) degree must, in addition to the courses mentioned in 6.1., complete the following courses:
- (i) Advanced Midwifery 1
 - (ii) Advanced Gynaecological Nursing 1
- 6.8 A candidate for the M.Cur (Advanced Nursing Education) degree must, in addition to the courses in 6.1., complete the following courses:
- (i) Advanced Nursing Education 1
 - (ii) Advanced Nursing Education 2
- 6.9 The candidates must supply proof that they have been registered as a M.Cur. student for at least a year before they can proceed to this section.
- 6.9.1. A candidate must undertake a research project that shows evidence of original research. Such a project is to be approved by the Senate at least six months before the submission of the dissertation.
- 6.9.2. Each candidate's curriculum must be submitted to the Nursing Council for registration as a post-basic qualification.

SYLLABUSES OF COURSES

Advanced General Nursing 1

(120 Lectures and clinical practice)

Modern developments in the psycho-socio-patho-medical and technological aspects of general nursing.

Advanced General Nursing

(120 Lectures and clinical practice)

An in-depth study of patient care against the background of modern developments and the clinical facilities available to provide this patient care.

Community Health Nursing 2

(120 Lectures and 260 hours practical)

1. Health services in South Africa; with special reference to independent states developments
2. State of health in South Africa, the factors and limitations which affect this
3. Psycho-Social care in relation to community health nursing science
4. The family as the basis for community health nursing science
5. Economic aspects of Community health
6. Human genetics
7. Care of the Aged in the community
8. Comprehensive health care: with special reference to all forms of ill-health and the treatment thereof
9. Psychiatric Community Health Care
10. The Community health Nurse in the various fields including
 - Maternal and Neonatal health
 - The health and development of infants and young children
 - School health services
 - Occupational health
 - Geriatric health
 - Long-term health care
 - District nursing

Community Health Nursing 3

(120 Lectures)

1. Research in Community health
2. Occupational Health
3. Family Planning
4. Modern trends, local and international, in the provision of health care
5. Integration of health planning with socio-economic planning; integration of services, governmental, welfare and private
6. Health Education
 - Theory, practice and principles of H.E.
 - Aims of H.E.
 - Communication
 - Socio-androgogic aspects
 - Group techniques
 - Audio-visual teaching aids

Advanced Community Health Nursing 1

(120 Lectures and clinical practice)

An in-depth study of the use of patient screening and modern developments related there-to with special reference to preventive medicine, including Health Education.

Advanced Nursing Administration 1

(120 Lectures and clinical practice)

Modern developments in administration in the private sector and the adoption of these developments to the field of nursing administration both on a micro- and a macro-level.

Public Administration 3

(120 Lectures)

1. Parliamentary control over executive institutions
2. Control over regional and municipal authorities
3. A comparative study of municipal systems
4. International public administration
5. Analysis of the origin, nature and evaluation of international institutions
6. Problems of international civil servants
7. Development administration and planning
8. Modern techniques in Public Administration.

Advanced Psychiatric Nursing 1

(120 Lectures and clinical practical)

Modern developments in the treatment of psychiatric disorders and in the organisation of care of psychiatric disturbances. The psycho-therapeutic role of the nurse.

Advanced Psychiatric Nursing 2

(120 Lectures and clinical practical)

An in-depth study of the problems related to the treatment and nursing of psychiatric disorders in the community with special reference to patient care, family support and health education of the general public with regard to psychiatric disorders.

Advanced Midwifery

(120 Lectures and clinical practical)

Modern developments in midwifery, in intensive care of the neonate, in family planning techniques, and in the care of the infant and toddler.

Advanced Gynaecological Nursing 1

(120 Lectures and clinical practical)

Modern development in gynaecological nursing with special reference to the care of patients suffering from these disorders and the social-cultural, and psychological effects of these disorders on the patient and community.

Ethos of Nursing 4

(120 Lectures)

The concept ethos

The concept nursing, its definition and objectives

Categories of nurse

mothers/members of family

neighbours

semiskilled

professional

The concept profession

nursing as a profession

professional association

professional practice

Role of the nurse

functions, dependent

independent

instrumental
expressive

The nurse in the South African context, race groups and categories.

History of Nursing

General

Changes in nursing from primitive man to the present day;
Influence of religions on nursing;
Influence of technology, science and medical science on nursing;
Influence of war and conflict and disaster on nursing; development of paramedical groups and their influence on nursing; the expanding role of the nurse; historical development of nursing education.

South Africa

General history of nursing in South Africa; history of nursing in South Africa related to influence of various groups — White, including English and Dutch settlers and the Afrikaans — Bantu — Coloured — Indian.

Historical development of nursing education in South Africa.

The effects of missions on nursing in South Africa.

Ethical concepts

Sanctity of life; modern medical power, medical and nursing ethics — promotion of health — maintenance of life — prevention of disease, disability or regression. Ethical problems in relation to medicine and nursing in the modern era. The nursing process — Anthropological approach.

Statistics

(60 Lectures)

1. Differentiation and integration of elementary functions. Extreme values.
2. Collection of statistical data, classification, tabulation and graphical representation.
3. Combinations and permutations. Elementary probability theory.
4. Probability distributions.
5. Elementary sampling theory. Tests of hypothesis. (parametric and non parametric and internal estimation).
6. Regression, correlation and curve fittings.
7. Index numbers and time series.
8. Quality control and sampling inspection.

Sociology of Nursing 1

(120 Lectures)

Basic sociological concepts; social institutions related to nursing; Nursing and Social change; cultural factors and health patterns; social pathology and health; socialization of student nurse into the profession. Communities and nursing; structure of the profession in general and in South Africa in particular; psycho-social concepts in nursing; establishment and organisation of health care and education of practitioners of health care with special reference to sociological aspects. Socio-economic aspects of nursing.

Underlying principles of legislation and statutory bodies related to Nursing

(120 Lectures)

Parliament — Provinces and Territory — State Health department — Local authorities. The

Faculty of Education

1. The Faculty of Education is basically responsible for the professional training of teachers.
 - ~ 1.1 The Higher Secondary Teachers' Diploma and Secondary Teachers' Diploma course caters mainly for students who have not obtained matriculation exemption, and may be taken with one of the following options:
 - (1) Arts subjects.
 - (2) Science subjects.
 - (3) Economic Sciences.
 - (4) Fine Arts.
 - (5) Musical Studies.
 - (6) Agriculture.
 - (7) Physical Education.
 - 1.2 The Higher Education Diploma is a post-graduate course. Students should however, have selected their degree courses in compliance with Regulation E.21. in order to qualify for admission to HED. It is important that prospective student-teachers select their curriculum with great care.
 - 1.3 The Higher Education Diploma (non-graduate) is a course for students who lack only one year to complete a degree. The degree courses must be in compliance with Rule E.21.

Practice teaching forms an integral part of teacher training. Prospective education students must report to the Faculty of Education at the end of the academic year preceding their professional year, in order to make the necessary arrangements for teaching at their home school at the beginning of the next school year.

- 1.4 Bachelor of Pedagogics is a four year integrated professional degree and may be taken with one of the following options:
 - (1) Arts subjects.
 - (2) Science subjects.
 - (3) Economic Sciences.
 - (4) Agriculture.
 - (5) Music.
 - (6) Physical Education.

The degree entitles the holder to proceed to BEd or with certain qualifications to an Honours degree.

2. The Faculty of Education also offers specialized training courses at BEd level. For in-service teachers lectures are conducted on a part-time basis at the University as well as at the Fort Hare Extra-mural Studies Campus (Zwelitsha).
3. Special grants, bursaries and loans are available to student teachers on application to the University Registrar and/or to the Secretaries of the various Government Departments of Education.

RULES FOR THE FACULTY OF EDUCATION

The following faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules: Whenever a course is taken that is offered by another Faculty, the rules of that Faculty applicable to the course shall apply.

DEGREES AND DIPLOMAS

E.1 (1) The following degrees are conferred in the Faculty:

Bachelor of Pedagogics.....	BPed
Bachelor of Education.....	BEd
Master of Education.....	MEd
Doctor of Education.....	DEd

(2) The following diplomas are granted in the Faculty:

Higher Education Diploma (Graduate).....	HED
Higher Education Diploma (Non-graduate).....	HED (Non-grad.)
Higher Secondary Teachers' Diploma.....	HSTD
Secondary Teachers' Diploma.....	STD

THE DEGREE OF BACHELOR OF PEDAGOGICS

Duration of Curriculum

E.2 The curriculum shall extend over four years of study.

Options

E.3 The degree may be obtained in any of the following options:

- (a) Arts (major subjects — Afrikaans-Nederlands, Xhosa/Sotho, Biblical Studies, English, Geography, History).
- (b) Science (major subjects — Chemistry or Physics, Botany or Zoology, Mathematics, Geography).
- (c) Economic Sciences.
- (d) Music.
- (e) Agriculture.
- (f) Physical Education.

Curricula

E.4 (1) The curriculum for each of the different options, with variations for different major subjects where applicable, shall be as set out in the *Schedule (after E10).

(2) A student may be permitted by Senate on the recommendation of the Board of the Faculty to offer:

- (a) two courses instead of one of the prescribed courses from the same course grouping;
- (b) a course not included in a particular grouping, but which exists in any other grouping within that faculty, provided that such a course shall be of the same as or higher year level than the course for which it is substituted.

E.5 (1) In the second or more advanced year a student may take one course in excess of the maximum if it is a course in which he previously failed and provided further that no additional provision be made on the time-table to accommodate such course.

(2) A student may, in his final year, take one course in excess of the maximum provided

(i) that he has no additional repeat courses, and, (ii) that no additional provision be made on the time-table to accommodate such course.

Schools Visits and Practice Teaching

- E.6 (1) A block period of 3 weeks during the first semester and
 (2) four weeks during the second semester of the final academic year shall be devoted to practice teaching.

Examination

- E.7 (1) In order to complete a course in a subject offered by a Faculty other than Education, a student shall comply with the rules of the Faculty concerned.
 (2) In order to complete a course in a subject offered by the Faculty of Education, a student shall comply with the general rules for the degree of bachelor, except where otherwise indicated.
 (3) The examination in both the Method courses shall include a practical teaching test consisting of two test lessons in each Method subject. A sub-minimum of 40% for each subject is prescribed.
 (4) *Professional Studies*
 Professional Studies comprise the following subjects:
 (i) Educational Technology (ET)
 (ii) Micro-teaching
 (iii) School Hygiene
 (iv) School Administration
 (v) One of the following subjects:
 (a) Physical Training (Excluding B.Ped Physical Education students).
 (b) Music Appreciation
 (c) Fine Arts
 (d) School Librarianship

The examination shall include assessment in each of the above-mentioned subjects.

- (5) Medium courses will be offered in English, Afrikaans, French, Xhosa and Southern Sotho, or any other recognised language which can be examined by the University of Fort Hare. The examination in these courses shall be both oral and written. A student shall pass (in the Lower grade) if he obtains an aggregate of 50% with a sub-minimum of 40% in either of the two parts. A candidate who obtains an aggregate of 60% with a sub-minimum of 50% will be awarded a pass in the Higher Grade. The examination in at least one Medium course must be passed in the Higher Grade.
 (6) A Student who intends following a medium course may present himself for a test at the beginning of the year and should he qualify for the Higher Grade be exempted from further attendance.
- E.8 (1) A student who fails a first or second year course may be admitted to a supplementary examination in such course if he complies with the rules of the Faculty offering the course.
 (2) A student who fails a third or fourth year course may be admitted to a supplementary examination in such course, provided he has obtained:
 (a) a year mark of at least 50%;
 (b) at least 40% of the marks in the examination;
 and

(c) the pass mark in at least two other courses at the same examination:
 Provided that these requirements may be waived in the case of a single course which is the final requirement for the degree, on condition that the candidate presented himself for the ordinary examination.

- (3) A student who fails to obtain the pass mark in a Method course, may not present himself for re-examination before the end of the ensuing academic year:
 Provided that a candidate who obtains the pass mark but fails to obtain the prescribed sub-minimum in one or both of the practical teaching tests may present himself for re-examination in such test or tests late in the first semester of the ensuing academic year and shall until then retain credit for the theoretical part of the examination.
- (4) A supplementary examination in the language medium tests shall not be held before May of the ensuing year.

Exemptions

- E.9 (1) A subject may be exempted from the practical requirements in School Hygiene if he can produce a recognized certificate of the Red Cross Society or the St. John's Ambulance.
- (2) A student who at Matriculation level did not take Xhosa *and/or* Sotho in which a medium course is offered at this University may substitute Afrikaans, English or French as language courses on condition that he passes one of them in the higher grade.

Distinction

- E.10 A student who in the final course of a major subject attains the standard laid down by the Senate shall be awarded a pass with distinction in that subject.

E.4(2) B. PED — ARTS OPTION

Determination of Year of Study.

- (i) A student shall be deemed to be in his first year of study until he has obtained credit for at least three first-year courses; in his third year of study when he is taking courses which will enable him to complete the requirements for that year of study; otherwise he shall be deemed to be in his second year of study unless (ii) is applicable (no student may register for any second year course unless he has passed a minimum of three first-year courses);
- (ii) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final year or when he has obtained credits in these courses but still has to obtain credit in other courses to complete the requirements for the degree.

Subject Grouping

Group 1. Major subjects in which three courses may be taken:

Afrikaans-Nederlands
 Xhosa/Sotho
 English
 Geography
 History

Biblical Studies
 Psychology
 Mathematics
 Economics

Group 2. Ancillary subjects in which not more than *two* courses may be taken:

- 1. Philosophy/Criminology
- 2. Sociology/Public Administration
- 3. Anthropology
- 4. Systematic Theology/Ecclesiastical History
- Latin
- African Thought and Literature
- French

Group 3. Ancillary subjects in which not more than *one* course may be taken:

- 1. Special Language Courses: Practical English, Special French, Praktiese Afrikaans, Special Latin, Applied Computer Science, Chemistry, Geology, Physics, Zoology, Statistics/Statistical Methods, Biology I
- 2. Classical Culture I

I. Major Subject: Xhosa or Sotho

First year:

Four of the following subjects of which the first two are compulsory:

- 1. Xhosa/Sotho I
- 2. African Thought and Literature
- 3. (a) At least one subject mentioned under Group 1
- (b) Any one or two subjects mentioned under Groups 1, 2 or 3 if not already taken.

Second year:

- 1. Xhosa/Sotho II
- 2. Subject taken at second year level from Group 1
- 3. Subject taken at first or second year level from Groups 1, 2 or 3
- 4. Pedagogics I

Third year:

- 1. Xhosa/Sotho III
- 2. Subject at first, second or third year level (preferably an approved school subject)
- 3. Pedagogics II

Fourth year:

- 1. Method of two approved school subjects (including Practice Teaching)
- 2. Professional Studies
- 3. Two language medium courses
- 4. Pedagogics III

II. Major Subject: English

First year:

Four of the following subjects of which the first one is compulsory:

- 1. English I
- 2. At least one other subject mentioned under Groups 1, 2 or 3
- 3. Not more than one subject from Groups 1, 2 or 3

Second year:

1. English II
2. A subject at the second year level from Group 1
3. A subject at the first or second year level from Groups 1, 2 or 3
4. Pedagogics I

Third year:

1. English III
2. A subject at first, second or third year level (preferably an approved school subject)
3. Pedagogics II

Fourth year:

1. Method of two approved school subjects (including Practice Teaching)
2. Professional Studies
3. Two language medium courses
4. Pedagogics III

III. Major Subject: Afrikaans-Nederlands**First year:**

Four of the following subjects of which the first one is compulsory:

1. Afrikaans-Nederlands I or Afrikaans I
2. At least one other subject mentioned in Group 1
3. At least two subjects mentioned in Groups 1, 2 or 3, if not already taken.

Second year:

1. Afrikaans-Nederlands II
2. A subject at second year level from Group 1
3. A subject at the first or second year level from Groups 1, 2 and 3
4. Pedagogics I

Third year:

1. Afrikaans-Nederlands III
2. A subject at first, second or third year level (preferably an approved school subject).
3. Pedagogics II

Fourth year:

1. Method of two approved school subjects (including Practice Teaching)
2. Professional Studies
3. Two language medium courses
4. Pedagogics III

IV. Major Subject: Geography**First year:**

Four of the following subjects of which the first one is compulsory.

1. Geography I
2. One other subject mentioned under Group 1
3. One other subject under Groups 1, 2 or 3
4. Pedagogics I

Second year:

1. Geography II
2. A subject at second year level from Group 1
3. Two subjects at first or second year level from Groups 1, 2 or 3

Third year:

1. Geography III
2. A subject at first, second or third year level from Groups 1, 2 or 3
3. Pedagogics II

Fourth year:

1. Method of at least two approved school subjects (including Practice Teaching)
2. Professional Studies
3. Two language medium courses
4. Pedagogics III

V. Major Subject: History**First year:**

Four of the following subjects of which the first one is compulsory:

1. History I
2. At least one other subject mentioned under Group 1
3. At least two of the subjects mentioned under Groups 1, 2 or 3

Second year:

1. History II
2. A subject at the second year level from Group 1
3. A subject at first, or second year level from Groups 1, 2 or 3
4. Pedagogics I

Third year:

1. History III
2. A subject at first, second or third year level (preferably an approved school subject).
3. Pedagogics II

Fourth year:

1. Method of two approved school subjects (including Practice Teaching)
2. Professional Studies
3. Two language medium courses
4. Pedagogics III

VI. Major Subject: Biblical Studies**First year:**

Four of the following subjects of which the first one is compulsory:

1. Biblical Studies I
2. At least one other subject from Group 1
3. At least two of the subjects mentioned under Groups 1, 2 or 3

Second year:

1. Biblical Studies II
2. A subject at second year level from Group 1
3. A subject at the first or second year level from Groups 1, 2 or 3
4. Pedagogics I

Third year:

1. Biblical Studies III
2. A subject at first, second or third year level (preferably an approved school subject)
3. Pedagogics II

Fourth year:

1. Method of two approved school subjects (including Practice Teaching)
2. Professional Studies
3. Two language medium courses
4. Pedagogics III

VII. Major Subject: Mathematics**First year:**

Four of the following subjects of which the first one is compulsory:

1. Mathematics I
2. At least one other subject from Group 1
3. At least two of the subjects mentioned under Groups 1, 2 or 3

Second year:

1. Mathematics II
2. A subject at second year level from Group 1
3. A subject at first or second year level from Groups 1, 2 or 3
4. Pedagogics I

Third year:

1. Mathematics III
2. A subject at first, second or third year level (preferably an approved school subject)
3. Pedagogics II

Fourth year:

1. Method of two approved school subjects (including Practice Teaching)
2. Professional Studies
3. Two language medium courses
4. Pedagogics III

E.4(3) B. PED — SCIENCE OPTION**Determination of Year of Study:**

- (1) A student shall retain credit for each course passed but shall not be allowed to proceed with second-year courses until he has passed at least three first-year courses.
- (2) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for that year of study; otherwise he shall be deemed to be in his second year of study.

(3) A student shall be deemed to be in his final year of study when he is engaged on all the options of his final year or when he has obtained credits in these final-year courses, but has still to obtain credits in other courses to complete the requirements for the degree.

1. Major subjects in which three courses may be taken:

- Biology
- Chemistry
- Physics
- Botany
- Zoology
- Mathematics
- Geography

Note: For Biology III, Chemistry I and Mathematics I are compulsory ancillaries

2. Ancillary subjects in which not more than one course may be taken:

- Physics IA
- Applied Mathematics II
- Applied Computer Science I
- Biochemistry II
- Psychology I

Note: Mathematics I is a pre-requisite for Applied Mathematics II.

I. Major Subject: Chemistry or Physics

First year:

1. Chemistry I
2. Physics I
3. Mathematics I
4. Botany I/Zoology I/Geography I

Second year:

1. Chemistry/Physics II
2. Physics/Mathematics/Botany/Chemistry II
3. Botany/Zoology I/Applied Mathematics II/Applied Computer Science I (Mathematics I is a prerequisite for Applied Maths II) Geography/Mathematics / Botany/Zoology I or II
4. Pedagogics I

Third year:

1. Chemistry III/Physics III
2. Pedagogics II
3. A subject at the second-year level (preferably an approved School Subject)

Fourth year:

1. Pedagogics III
2. Method of two approved school subjects (including Practice Teaching)
3. Professional Studies
4. Two language medium courses

II. Major Subject: Botany or Zoology

(Note: For Zoology III, Chemistry I and Mathematics I are compulsory ancillaries)

First year:

1. Botany I
2. Zoology I
3. Chemistry I
4. Physics I or Physics IA/Mathematics/Geography I

Second year:

1. Botany/Zoology II
2. Zoology/Botany/Chemistry/Mathematics/Physics II
3. Physics I or II or Physics IA/Mathematics/Geography I or II
4. Pedagogics I

Third year:

1. Botany III/Zoology III
2. Pedagogics II
3. A subject at the second-year level (preferably an approved School Subject)

Fourth year:

1. Pedagogics III
2. Method of two approved school subjects (including Practice Teaching)
3. Professional Studies
4. Two language medium courses

III. Major Subject: Mathematics**First year:**

1. Mathematics I
2. Physics I or Physics IA/Geography I
3. Physics I or Physics IA/Zoology I
4. Chemistry/Botany I

Second year:

1. Mathematics II
2. Physics/Chemistry/Geography/Botany/Zoology/Mathematical Statistics/Applied Mathematics II
3. Physics IA or Physics I/Geography/Botany/Zoology/Chemistry I or II/Applied Computer Science I
4. Pedagogics I

Third year:

1. Mathematics III
2. Pedagogics II
3. A subject at the second or third-year level (preferably an approved School Subject)

Fourth year:

1. Pedagogics III
2. Method of two approved school subjects (including Practice Teaching)
3. Professional Studies
4. Two language medium courses

IV. Major Subject: Geography**First year:**

1. Geography I
2. Pedagogics I
3. Chemistry I/Botany I/Mathematics I
4. Physics I or Physics IA/Zoology I

Second year:

1. Geography II
2. Chemistry/Physics/Botany/Zoology/Mathematics II
3. Two of the following subjects: Chemistry/Botany/Mathematics/Physics I or II or Physics IA or Zoology (if not already taken under 3 or 4 in the first year) or Applied Computer Science I for which Mathematics I is a prerequisite

Third year:

1. Geography III
2. Pedagogics II
3. A subject at the second or third-year level (preferably an approved School Subject)

Fourth year:

1. Pedagogics III
2. Method of two approved school subjects (including Practice Teaching)
3. Professional Studies
4. Two language medium courses

V. Major Subject: Biology**First year:**

1. Biology I
2. Chemistry I
3. Physics IA/Physics I/Geography I
4. Mathematics I

Second year:

1. Biology II
2. Geography/Mathematics or Chemistry II/Physics II
3. Geography/Chemistry/Mathematics I or II/Geology I or Physics IA
4. Pedagogics I

Third year:

1. Biology III
2. Pedagogics II
3. A subject at the second or third-year level (preferably an approved School Subject)

Fourth year:

1. Pedagogics III
2. Method of two approved school subjects
3. Professional Studies
4. Two language medium courses

Note: For Biology III, Chemistry I and Mathematics I are compulsory ancillaries.

E.4(4) B. PED — COMMERCE OPTION**Determination of Year of Study:**

- (1) A student shall not be permitted to take a second year or a third-year course unless he has completed at least two of the courses prescribed for the first or the second year of study respectively; Provided that at least the last three (2, 3 and 4) options must be taken simultaneously in the third year of study.
- (2) A student shall be deemed to be in his first year of study until he has obtained credit for at least three first-year courses, and in his third year of study when he has obtained credit for at least three second-year courses and is able to take at least the last three (2, 3 and 4) options simultaneously as prescribed in the above section;
- (3) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final year or when he has obtained credits in these final year courses, but has still to obtain credits in other courses to complete the requirements for the degree.

First year:

1. Economics I
2. Business Economics I
3. Accounting I
4. Commercial Law/Industrial Psychology I
5. Statistics I

Second year:

1. Economics II
2. Business Economics II
3. Accounting/Commercial Law/Industrial Psychology II
4. Pedagogics I

Third year:

1. Economics III or Business Economics III or Accounting III
2. Pedagogics II
3. A subject at the second or third-year level (preferably an approved School Subject)

Fourth year:

1. Pedagogics III
2. Method of two approved school subjects (including Practice Teaching)
3. Professional Studies
4. Two language medium courses

E.4(5) B. PED — MUSIC OPTION**Determination of Year of Study:**

- (1) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for that year of study; otherwise he shall be deemed to be in his second year of study;
- (2) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final-year course or when he has obtained credits in these final-year courses, but has still to obtain credits in other courses to complete the requirements for the degree.

- (3) A sub-minimum mark is required not only for Music Education as a whole, but also for each Practical Music examination (piano, singing, recorder and aural/choir training).

The first THREE subjects are compulsory.

First year:

1. Theory and Harmony I
2. History of Music and Musical Form I
3. Music Education I including Practical Music Subjects
4. English I or Practical English/Afrikaans-Nederlands I or Afrikaans/Xhosa/Sotho/Geography/Botany/Zoology/Mathematics/Economics/History I/Biblical Studies/Public Administration

Second year:

1. Theory and Harmony II
2. History of Music and Musical Form II
3. Music Education II including Practical Music Subjects
4. Pedagogics I
5. English or Practical English/Afrikaans-Nederlands or Afrikaans/Xhosa/Sotho/Geography/Botany/History/Zoology/Mathematics/Economics I or II/Biblical Studies.

Third year:

1. Theory and Harmony III
2. History of Music and Musical Form III
3. Music Education III including Practical Music Subjects
4. Pedagogics II

Fourth year:

1. Theory and Harmony (Advanced)
2. History of Music and Musical Form (Advanced)
3. Music Education (Advanced)
4. Method of another approved school subject
5. Professional Studies
6. Pedagogics III
7. Two language medium courses

E.4(6) B. PED — AGRICULTURE OPTION

Determination of Year of Study:

- (1) A student shall be deemed to be in his first year of study until he has been credited with at least 65% of the units prescribed for the first year of study;
- (2) A student shall be deemed to be in his second year of study until he has been credited with at least 70% of the units prescribed for the first four semesters and Pedagogics I;
- (3) A student shall be deemed to be in his third year of study until he has been credited with at least 68% of the units required for the degree and Pedagogics II;
- (4) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final-year course or when he has obtained credits in these final year courses, but has still to obtain credits in other courses to complete the requirements for the degree.

Certain courses have pre- and/or co-requisites. See pages Agr 3 to Agr 66.

Year	Sem.	No.	Course	Units	Total	
I	1		Biology I	5+1		
		F 1001	Agricultural Chemistry	5+1		
		C 1011	Elements of Agricultural Meteorology	2+1		
		F 1011	Introduction of Scientific Concepts	2+1		
		E 1001	Introduction to Agricultural Economics	4+ ½	22 ½	
	2	—	Biology I	5+1		
		N 1002	Introduction to Agric Engineering	5+1		
		C 1032	Introduction to Plant Science	5+1		
		E 1012	Marketing of Agricultural Products	3+ ½	21 ½	
	II	3	—	Pedagogics I	5+0	
S 1011			Introduction to Soil Science	5+1		
A 2011			Introduction to Animal Science	5+1		
C 2001			Elements of Crop Production	5+1		
P 1011			Introduction of Pasture Ecology	3+1	27	
4		—	Pedagogics I	5+0		
		A 2022	Elementary Animal Nutrition	4+ ½		
		G 1012	Field Crop Improvement	3+ ½		
		C 2012	Elementary Irrigation	4+1		
		E 2012	Farm Management	3+1		
E 2022	Farm Accounting	2+1	25			
III	5	—	Pedagogics II	5+0		
		Q 3011	Smallstock Science	5+1		
		S 2011	Pedology	3+1		
		H 2011	Elements of Fruit and Vegetable Production	3+ ½		
		M 2021	Plant Pest Control	4+1	23 ½	
	6	—	Pedagogics II	5+0		
		V 3012	Elementary Animal Health	0+1		
		S 2022	Plant Nutrition	4+ ½	10 ½	
	IV	7	—	Pedagogics III	5+0	
			—	Method of Agric	2+0	
—			Method of Biology	2+0		
—			Prof Studies	8+1	18	
8		—	Pedagogics III	5+0		
		—	Method of Agric	2+0		
		—	Method of Biology	2+0		
		—	Prof Studies	8+1	15	
Minimum number of units required					155	

E.4(7) B.PED — PHYSICAL EDUCATION OPTION**1. General Rules**

- (1) All First Year student curricula must be approved by the head of the department before registration.
- (2) With registration a doctor's certificate, which will declare the student physically fit, must be handed to the head of the department.
- (3) All Physical Education students must attend excursions as determined by the head of the department.
- (4) The degree will not be conferred unless a student has handed in referee certificates in at least three sports codes by the end of his final year of study.

2. Determination of Year of Study:

- (1) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for that year of study, otherwise he shall be deemed to be in his second year of study.
- (2) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final year or when he has obtained credits in these final year courses, but has still to obtain credits in other courses to complete the requirements for the degree.

3. Subject Grouping

Group I: major subject in which three courses may be taken

Afrikaans-Nederlands

Xhosa

Sotho

English

Biblical Studies

Economics

Geography

History

Mathematics

Biology

Accounting

Psychology

Group II: Ancillary subject in which not more than two courses may be taken

Afrikaans

Group III: Ancillary subject in which not more than one course may be taken

Practical English

Praktiese Afrikaans

Special Latin

Applied Computer Science

First Year

1. Physical Education I
2. Bio-Kinetics I

3&4 Any two school subjects (of which one must be taken to the third year) mentioned in groups I, II and III Rule E.4(7)3.

THE DEGREE OF BACHELOR OF EDUCATION

Admission

E.11 A person shall not be admitted as a candidate for the degree unless he has been admitted to:

- (a) the degree of Bachelor of Pedagogics of the University or to the status thereof;
or
- (b) the degree of Bachelor of Physical Education at an approved University; *or*
- (c) any other degree of bachelor of the University or to the status of bachelor at the University and has obtained the Higher Education Diploma: Provided that a graduate who holds a teachers' certificate but not the Higher Education Diploma may be admitted if he;
 - (i) produces evidence to the satisfaction of the Senate of at least one year successful teaching experience; *or*
 - (ii) passes a test in the five subjects:
 - Fundamental Pedagogics
 - Empirical Pedagogics
 - Historical Pedagogics
 - Didactical Pedagogics
 - Comparative Pedagogics

which, at the first attempt, shall be written during one and the same examination period: Provided that a student shall retain credit for any subject in which he has passed, but may not present himself for re-examination in any subject in which he failed except during the next ordinary year-end examinations. The test referred to above shall be the examination in the subjects concerned as conducted for the Higher Education Diploma.

Duration and Curriculum

E.13 (1) The full-time curriculum shall extend over at least one academic year and shall consist of six courses chosen from the following, of which the first five are compulsory:

- Fundamental Pedagogics
- Didactical Pedagogics
- Empirical Pedagogics
- Historical Pedagogics
- Orthopedagogics
- Comparative Pedagogics
- Research Methodology
- Music

Full-time B.Ed students will be given the following choice in writing their final examinations:

in two block periods (three papers at end of year and three papers at the beginning of the following year) *or* all six papers in February.

- (2) All examinations for part-time students will be written during the February examination period.
- (3) Part-time courses last two years minimum, and are offered at Fort Hare on Saturday mornings and at the Fort Hare Extra-mural Studies Campus (Zwelitsha) on Thursday evenings.

- E.14 (1) The degree will not be conferred on a candidate unless he obtains the pass mark in the examination in every course.
- (2) The year mark and the examination mark shall be combined in equal proportions.
- (3) (a) The degree will be conferred *cum laude* if the student obtains a mark of at least 75 per cent in at least four courses.
- (b) A student who in any subject attains the standard laid down by the Senate shall be awarded a pass with distinction in that subject.

THE DEGREE OF MASTER OF EDUCATION

Admission

- E.15 A person shall not be admitted as a candidate for the degree unless he
- (a) (i) has been admitted to the degree of Bachelor of Education of the University; or
- (ii) has been admitted to the status of a Bachelor of Education of the University; or
- (iii) possesses some other qualification which in the opinion of the Senate is equivalent to or higher than the degree of Bachelor of Education of the University; and
- (b) (i) produces evidence to the satisfaction of the Senate of at least one year's teaching experience; and
- (ii) satisfies the Senate that he has sufficient knowledge of the subject of his dissertation to undertake the course of study.

E.16 (1) Examination

The examination of the course will consist of:

- (a) a dissertation on an approved educational topic;
OR
- (b) a mini-dissertation and 3 three hour examination papers on important aspects of the research topic, and a fourth paper on research methods;
OR
- (c) MEd in Orthopedagogics through course-work ONLY (8 papers);
OR
- (d) MEd in Orthopedagogics through course-work of six papers, plus a mini-dissertation of 10 000 words.

(Note: the topic and length of the dissertation to be determined by the Board of Faculty. The general rules for the degree shall be applicable in the case of all options).

E.16 (2) Requirements to Pass: MEd (Orthopedagogics)

If the MEd degree in Orthopedagogics is done by:

- (a) course work only, a candidate shall pass the degree if he obtains at least 50% in each paper.
- (b) course work and a mini-dissertation, a candidate must obtain at least 50% for each course work paper and at least 50% for the dissertation.
- (c) a dissertation only, it may be awarded to a candidate who, in the opinion of the examiners, has attained the desired standard.

E.16 (3) Pass with distinction: MEd (Orthopedagogics)

If the MEd in Orthopedagogics is done by:

- (a) examination of individual papers, (ie. course work) a candidate shall pass with distinction if he obtains a pass mark of at least 75% in each of six of the eight

papers;

- (b) papers, and a mini-dissertation, a candidate shall pass with distinction if he obtains a pass mark of at least 75% in four of the six papers as well as the mini-dissertation.
- (c) a dissertation only, it may be awarded to the candidate who, in the opinion of the examiners, has attained the desired standard.

THE DEGREE OF DOCTOR OF EDUCATION

Admission and Registration

E.17 The degree shall not be conferred on any person unless he either:

- (a) is a Master of Education of the University of at least four years' standing; or
- (b) is a Master of Education of the University of at least three years' standing, of which at least one year was devoted fulltime to approved research work; or
- (c) has been admitted to the status of Master of Education of the University and complies with the further requirements referred to in clause (a) or clause (b) above.

Thesis

E.18 A candidate shall submit for examination a thesis on an approved educational topic.

THE HIGHER EDUCATION DIPLOMA

Admission

E.21 In order to be admitted to the course of study for the Higher Education Diploma a student must satisfy the Senate that he holds an approved University degree. An approved degree is one that consists of at least five degree courses from the list* of approved school subjects in one of the following combinations:

- (a) three courses in one approved subject and two in another approved subject;
- (b) two courses in one approved subject and two in another plus one course in a further approved subject.
- (c) three courses in one approved subject plus one in each of the two other approved subjects: Provided that the above requirements as to subjects shall not apply to a student holding the degree of Bachelor of Agriculture, Bachelor of Science in Agriculture, or Bachelor of Arts (Fine Arts) or Bachelor of Theology.

E.22 A registered student who has completed two years of study towards a Bachelor Degree in such a manner that the remaining requirements for the degree may be fulfilled by one further year of study, may be admitted to the final year of professional training and upon completion thereof may be allowed to obtain the Higher Education Diploma (non-graduate) on condition that the courses completed are in accordance with Rule. E.21.

The candidate must further satisfy all the requirements of the prescribed regulations for the ordinary Higher Education Diploma. Any holder of the Higher Education Diploma (non-graduate) may have it converted into HED (Graduate) upon completion of the remaining academic requirements of the latter.

- E.23 (1) A student who has completed three courses in either Botany or Zoology must have completed at least one course in the other in order to offer Biology as a principal teaching subject.
- (2) A student who has completed three courses in either Physics or Chemistry must have completed at least one course in the other in order to offer Physical Science as a principal teaching subject. Physics and Chemistry are not recognised as separate teaching subjects.

*See list after Rule E.31.

Curriculum

E.24 The curriculum shall extend over one academic year.

E.25 In order to obtain the diploma, a student shall complete the courses and comply with the other requirements set out hereunder:

(a) **Educational Disciplines**

- (i) Fundamental Pedagogics
- (ii) Empirical Pedagogics
- (iii) Historical Pedagogics
- (iv) Didactical Pedagogics
- (v) Comparative Pedagogics
- (vi) Method of two principal teaching subjects for the secondary school and including a practical teaching test in each for which a sub-minimum of 40% is prescribed.

(b) **Professional Studies:**

- (vii) Professional Studies which includes Educational Technology, Micro-teaching, School Hygiene, School Administration and one of the following practical subjects:
 - (i) Physical Training.
 - (ii) Music Appreciation.
 - (iii) Fine Arts.
 - (iv) School Librarianship.

N.B. A student may be exempted from the practical requirements in School Hygiene if he can produce a recognized certificate of the Red Cross or the St. John's Ambulance.

- (viii) Medium courses will be offered in Xhosa, Southern Sotho, Afrikaans, French and English. The examination in these courses shall be both oral and written.
- (ix) A student shall pass a language test (in the Lower Grade) if he obtains an aggregate of 50% with a sub-minimum of 40% in either of the two parts. A student who obtains an aggregate of 60% with sub-minimum of 50% will be awarded a pass in the Higher Grade.
In order to obtain the diploma a student must pass in at least two of the language tests, one of which in the Higher Grade.

(c) **School visits and practice teaching:**

- (i) A block period of 3 weeks during the first semester and
- (ii) four weeks during the second semester of the final academic year shall be devoted to practice teaching.

Exemptions

E.26 A student who did not take Xhosa and/or Southern Sotho at Matriculation level, may substitute Afrikaans and/or English or French for language medium purposes, on condition that he passes one of them in the Higher Grade.

Examination

E.27 A student shall not present himself for examination in any subject for the diploma until he has completed all the courses required in terms of paragraph E.21: Provided that a student who lacks only one degree course to comply with the said requirement may present himself for examination in that subject concurrently with the subjects for the diploma and provided further that no additional provision be made on the timetable to accommodate such examination.

E.28 Save as provided in paragraph E.29, a student may be admitted to a supplementary examination in a subject in which he has failed, provided he has obtained:

- (a) a year mark of at least 50%;
- (b) at least 40% of the marks in the examination; and
- (c) the pass mark in at least five other subjects at the same examination: Provided that these requirements may be waived in the case of a single course which is the final requirement for the Diploma, on condition that the candidate presented himself for the ordinary examination.

E.29 A student who fails to obtain the pass mark in one or both of the two principal teaching subjects, may not present himself for re-examination before the end of the ensuing academic year: Provided that a candidate who obtains the pass mark but fails to obtain the prescribed sub-minimum in one or both of the practical teaching tests may present himself for re-examination in such test or tests late in the first semester of the ensuing academic year, and shall until then retain credit for the theoretical part of the examination.

E.30 A supplementary examination in the language medium tests shall not be held before May of the ensuing year.

Distinction

E.31 A candidate who attains the standard laid down by the Senate, shall be awarded distinction in any one of the principal subjects referred to in sub-paragraph E.25(a), and the diploma shall be awarded with distinction to a student who is awarded distinction in any three of the said subjects.

SCHEDULE TO RULE E.21

Group A.

Subjects which may be taken up to third year level:

Afrikaans-Nederlands	Geography
English	Botany
Xhosa/Sotho	Zoology
Latin	Chemistry
Biblical Studies	Physics
History	Mathematics/Statistics
Psychology	Accounting
Economics	Business Economics
Music Subjects	Fine Arts subjects
	Physical Education

Group B.

Subjects which may only be taken on a first-year level:

Special language courses (i.e. Practical English, Praktiese Afrikaans, Special French, etc.).

Physics IA, Musical Appreciation, Library Science (NDP only).

HIGHER SECONDARY TEACHERS' DIPLOMA

Admission

E.32 (1) A person shall not be admitted as a student unless he has obtained at least a School-leaving Certificate or a certificate recognised by the Senate as equivalent thereto: Provided that with the exception of the Fine Arts curriculum referred to below, the Senate may refuse to accept such certificate if the applicant's results are not of a satisfactory standard.

- (2) Only undergraduate students may register for HSTD.

Duration of Curriculum

E.33 The curriculum shall extend over three academic years.

Options

E.34 The diploma may be obtained in any of the following options:

- (a) Arts
- (b) Science
- (c) Economic Sciences
- (d) Fine Arts
- (e) Physical Education
- (f) Music

Curricula

E.35 (1) The curriculum and rules for each of the different options shall be as set out in the *Schedule.

E.36 In the second or more advanced year a student may take one course in excess of the maximum if it is a course in which he previously failed and provided further that no additional provision be made on the time-table to accommodate such course.

School Visits and Practice Teaching

- E.37 (1) A block period of 3 weeks during the first semester and
 (2) four weeks during the second semester of the final academic year shall be devoted to practice teaching.

Examination

- E.38 (1) In order to complete a course in a subject offered in a Faculty other than Education, a student shall comply with the rules of the Faculty concerned.
 (2) In order to complete a course in a subject offered in the Faculty of Education, a student shall comply with the general rules for the degree of bachelor, except where otherwise indicated.
 (3) The examination in Professional Studies shall include assessment in Educational Technology, Microteaching, School Hygiene, School Administration and one of the following practical subjects:
 (i) Physical Training (Excluding HSTD Physical Education Option students)
 (ii) Musical Appreciation
 (iii) Fine Arts
 (iv) School Librarianship
 (4) Medium courses will be offered in Xhosa, Southern Sotho, Afrikaans and English. The examination in these courses shall be both oral and written. A student shall pass (in the Lower Grade) if he obtains an aggregate of 50% with a sub-minimum of 40% in either of the two parts. A candidate who obtains an aggregate of 60% with a sub-minimum of 50% will be awarded a pass in the Higher Grade.
- E.39 (1) A student who fails a first or second year course may be admitted to a supplementary examination in that course, if he complies with the rules of the Faculty offering the course.
 (2) A student who fails a third year course may be admitted to a supplementary examination in that course, provided he has obtained:
 (a) a year mark of at least 50%;

*See Schedule after Rule E41.

- (b) an average of at least 45% for the year mark and examination combined; and
 (c) the pass mark in at least two other courses at the same examination;

Provided that these requirements may be waived in the case of a single course which is the final requirement for the Diploma, on condition that the student presented himself for the ordinary examination.

- (3) A student who fails to obtain the pass mark in a Method course may not present himself for re-examination before the end of the ensuing academic year: Provided that a candidate who obtains the pass mark but fails to obtain the prescribed sub-minimum in one or both of the practical teaching tests may present himself for re-examination in such test or tests late in the first semester of the ensuing academic year, and shall until then retain credit for the theoretical part of the examination.
- (4) A supplementary examination in the language medium tests shall not be held before May of the ensuing year.

Exemptions

- E.40 (1) A student may be exempted from the practical requirements in School Hygiene if he can produce a recognized certificate of the Red Cross or the St. John's Ambulance.
- (2) A student who at Matriculation level did not take Xhosa and/or Southern Sotho, may substitute Afrikaans and/or English or French as language medium courses on condition that he passes one of them in the Higher Grade.

Distinction

- E.41 A student who obtains, in the second course of any subject or in a Method subject, the standard laid down by the Senate, shall be awarded a pass with distinction in that subject.

E.36(2) HSTD ARTS OPTION

Determination of Year of Study

- (1) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for the diploma in that year, otherwise he shall be deemed to be in his second year of study.
- (2) A student may proceed with his second year of study provided he has subject credits consisting of the following combinations:
- (a) Two courses in one and two courses in another approved school subject, or
 (b) three courses in one and one course in another approved subject.

First year:

A minimum of FOUR and maximum of FIVE subjects are to be taken from the following options:

1. Afrikaans-Nederlands I or Afrikaans I or Praktiese Afrikaans
2. English I or Practical English
3. Xhosa/Sotho I
4. History I
5. Latin I or Special Latin
6. Biblical Studies/Ecclesiastical History
7. Geography I
8. Biology I
9. Economics I
10. Psychology I
11. Mathematics I
12. Chemistry I

13. Pedagogics I (compulsory only for students taking Geography).

Note: Students who may later wish to change to B.Ped must bear in mind that Chemistry I and Mathematics I are compulsory subjects for Biology III.

N.B. ONE Language Course is compulsory but not more than THREE language courses may be taken.

Second year:

1. Pedagogics I. (compulsory only for students not taking Geography I).
2. One other subject mentioned under first year.
3. A Second Year course in two of the subjects taken in the first year.

Third year:

1. Pedagogics II.
2. Method of two approved school subjects (including Practice Teaching).
4. One of Physical Education, Musical Appreciation, Fine Arts.
5. Two language medium courses.
6. Professional Studies.

E.35(3) HSTD SCIENCE OPTION

Determination of Year of Study

- (1) Each course in which a student passes will be recognised but a student will not be allowed to proceed with second year courses until he has passed at least three first-year courses.
- (2) A candidate shall be deemed to be in his first year of study until he has obtained credit in three courses; he shall be deemed to be in his final year of study when he has obtained credits in the final courses, but has still to obtain credits in other courses to complete the requirements for the diploma; otherwise he shall be deemed to be in his second year of study.
- (3) A student may also proceed with his second year of study provided he has subject credits consisting of the following:
 - (a) Two courses in one and two courses in another approved school subject, or
 - (b) Three courses in one and one course in another approved school subject.

SCIENCE HSTD

A minimum of FOUR subjects are to be taken from the following options:

First year:

1. Mathematics I
2. Physics I or Physics IA
3. Chemistry I
4. Botany I
5. Zoology I
6. Geography I
7. Biology
8. Psychology I

Note: Students who may later wish to change to B.Ped must bear in mind that Chemistry I and Mathematics I are compulsory subjects for Biology III.
Pedagogics I compulsory for students taking Geography I.

Second year:

1. Pedagogics I (Compulsory for students not taking Geography I)

2. A second year course in two of the subjects taken in the first year

N.B. Chemistry II must not be taken with Physics II and Zoology II must not be taken together with Botany II.

Note: If Pedagogics I and Geography I were taken in the first year, one of the subjects mentioned under 3 (below) must be taken.

3. Botany/Zoology/Mathematics/Physics/Geography/Chemistry I or II/Physics IA

Third year:

1. Pedagogics II
- 2&3 Method of two approved school subjects (including Practice Teaching)
4. Professional Studies
5. One of Physical Education, Music Appreciation, Fine Arts
6. Two language medium courses

E.35(4) HSTD COMMERCE OPTION

Determination of Year of Study

- (1) A student shall not be permitted to take a second-year or a third-year course unless he has completed at least two of the courses prescribed for the first or the second year of study respectively; provided that at least three third-year courses must be taken simultaneously in the third year of study.
- (2) A student shall be deemed to be in his first year of study until he has obtained credit for at least three first year courses and in his third year of study when he has obtained credits for at least two second-year courses (including Pedagogics I). He shall be deemed to be in his final-year of study when he is engaged on all the options of his final year or when he has obtained credits in these final-year courses, but has still to obtain credits in other courses to complete the requirements for the diploma.
- (3) A student may also proceed with his second year of study provided he has subject credits consisting of the following combinations:
 - (a) Two courses in one and two courses in another approved school subject, or
 - (b) Three courses in one and one course in another approved school subject.

First year:

1. Economics I
2. Business Economics I
3. Accounting I
4. Industrial Psychology/Commercial Law I
5. A Language

Second year:

1. Pedagogics I
- 2&3 A second-year course in two of the following: Business Economics, Economics or Accounting.

Third year:

1. Pedagogics II
- 2&3 Method of two approved school subjects (including Practice Teaching)
4. One of Physical Education, Music Appreciation, Fine Arts
5. Two language medium courses
6. Professional Studies

E35(5) HSTD FINE ARTS OPTION**Determination of Year of Study**

A student shall be deemed to be in his first year of study until he obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for the diploma in that year; otherwise he shall be deemed to be in his second-year of study.

First year:

1. English I or Practical English/Afrikaans-Nederlands I or Afrikaans I or Praktiese Afrikaans/Xhosa I or Special Xhosa/Sotho I or Special Sotho
2. History of Art I
3. Painting I
4. Anthropology I
5. Design I

Second year:

1. Pedagogics I
2. History of Art II
3. Design I
4. Sculpture I

Third year:

1. Pedagogics II
2. Method of a language and of Art
3. Painting II/Design II/Sculpture II
4. Two language medium courses
5. Professional Studies

E35(7) HSTD — MUSIC OPTION**Determination of Year of Study**

- (1) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses.
- (2) A candidate shall be deemed to be in his final-year of study when he is engaged on the six options of his final year or when he has obtained credits in these final courses, but has still to obtain credits in other courses to complete the requirements for the diploma.
- (3) A sub-minimum is required not only for Music Education as a whole, but also for each Practical Music examination (piano, singing, recorder, and aural training).

First year:

The first THREE subjects are compulsory.

1. Theory and Harmony I
2. History of Music and Musical Form I
3. Music Education I (including Practical Music Subjects) I
4. English I or Practical English/History/Afrikaans-Nederlands I or Praktiese Afrikaans or Afrikaans I/Xhosa I or Special Xhosa/Sotho I or Special Sotho/Geography/Botany/Zoology/Mathematics/Economics I/Physics I or IA/Biblical Studies.

Second year:

1. Theory and Harmony II
2. History of Music and Musical Form II
3. Music Education II (Including Practical Music Subjects) II
4. Pedagogics I
5. English I/Afrikaans-Nederlands/Xhosa/Sotho/History/Geography/Botany/Zoology/
Mathematics/Economics I or II/Practical English/Afrikaans/Biblical Studies.

Third year:

1. Theory and Harmony (Special)
2. History of Music and Musical Form (Special)
3. Music Education
4. Pedagogics II (including Practical Music Subjects III)
5. Two language medium courses
6. Professional Studies

E.35(8) HSTD – AGRICULTURE OPTION**Determination of Year of Study:**

- (1) A student shall be deemed to be in his first year of study until he has been credited with at least 65% of the units prescribed for the first year of study;
- (2) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final-year course or when he has obtained credits in these final year courses, but has still to obtain credits in other courses to complete the requirements for the degree.

Certain courses have pre- and/or co-requisites. See pages Agr 3 to Agr 66.

Year	Sem.	No.	Course	Units	Total
I	1		Biology I	5 + 1	22 ½
		F 1001	Agricultural Chemistry	5 + 1	
		C 1011	Elements of Agricultural Meteorology	2 + 1	
		F 1011	Introduction of Scientific Concepts	2 + 1	
		E 1001	Introduction to Agricultural Economics	4 + ½	
I	2		Biology I	5 + 1	21 ½
		N 1002	Introduction to Agric Engineering	5 + 1	
		C 1032	Introduction to Plant Science	5 + 1	
		E 1012	Marketing of Agricultural Products	3 + ½	
II	3		Pedagogics I	5 + 0	27
		S 1011	Introduction to Soil Science	5 + 1	
		A 2011	Introduction to Animal Science	5 + 1	
		C 2001	Elements of Crop Production	5 + 1	
		P 1011	Introduction of Pasture Ecology	3 + 1	

Year	Sem.	No.	Course	Units	Total
4	—	—	Pedagogics I	5+0	25
	A 2022	—	Elementary Animal Nutrition	4 + ½	
	G 1012	—	Field Crop Improvement	3 + ½	
	M 1002	—	Introduction to Microbiology	4+1	
	E 2012	—	Farm Management	3+1	
		E 2022	Farm Accounting	2+1	
III	5	—	Pedagogics II	5+0	25½
		—	Professional Studies	8+1	
		—	Method of Agric	2+0	
		—	Method of Biology	2+0	
		S 2011	—	Pedology	
		H 2011	Elements of Fruit and Vegetable Production	3 + ½	
6	—	—	Pedagogics II	5+0	23½
		—	Professional Studies	8+1	
		—	Method of Agric	2+0	
		—	Method of Biology	2+0	
		V 3012	—	Elementary Animal Health	
		S 2022	Plant Nutrition	4 + ½	
Minimum number of units required					142½

E.35(9) HSTD — Physical Education Option

1. General Rules

- (1) All First Year student curricula must be approved by the head of the department before registration.
- (2) With registration a doctor's certificate, which will declare the student physically fit, must be handed to the head of the department.
- (3) All Physical Education students must attend excursions as determined by the head of the department.
- (4) The degree will not be conferred unless a student has handed in referee certificates in at least three sports codes by the end of his final year of study.

2. Determination of year of study

A student shall be deemed to be in his first year of study until he obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for the diploma in that year; otherwise he shall be deemed to be in his second year of study.

3. Subject Grouping

Group I: major subject in which three courses may be taken

Afrikaans-Nederlands	Geography
Xhosa	History
Sotho	Mathematics
English	Biology
Biblical Studies	Accounting
Economics	Psychology

Group II: Ancillary subject in which not more than two courses may be taken
Afrikaans

Group III: Ancillary subject in which not more than one course may be taken

Practical English

Special Latin

Praktiese Afrikaans

Applied Computer Science

First year:

1. Physical Education I

2. Bio Kinetics I

3&4 Two school subjects (of which one must be taken to the third year) mentioned in groups I, II, III Rule E.4(7)3.

SECONDARY TEACHERS DIPLOMA

Admission

E.42 (1) A person shall not be admitted as a student unless he has obtained at least a School Leaving certificate or a qualification recognised by the Senate as equivalent thereto: Provided that with the exception of the Fine curriculum referred to below, the Senate may refuse to accept such certificate if the applicant's results are not of a satisfactory standard.

(2) Only undergraduate students may register for STD.

Duration of Curriculum

E.43 The curriculum shall extend of two academic years.

Options

E.44 The diploma may be obtained in any of the following options:

- (a) Arts
- (b) Science
- (c) Economic Science
- (d) Fine Arts
- (e) Music
- (f) Physical Education

Curricula

E.45 The curriculum for each of the different options shall be as set out in the *Schedule and must include a minimum of three school subjects in the first year of study.

- E.46 (1) In the second year a student may take one course in excess of the maximum if it is a course in which he previously failed and provided further that no additional provision be made on the time-table to accommodate such course.
- (2) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his final year of study when he is taking courses which will enable him to complete the requirements for the diploma.
- (3) A student may also proceed with his second year of study provided his previous credits consist of the following combinations:
- (i) Two courses in one and two courses in another approved school subject; or
 - (ii) Three courses in one and one course in another approved school subject.

School Visits and Practice Teaching

E.47 (1) A block period of 3 weeks during the first semester and

* See Schedule after Rule E.51

- (2) four weeks during the second semester of the final academic year shall be devoted to practice teaching.

Examination

E.48 (1) In order to complete a course in a subject offered in a Faculty other than Education, a student shall comply with the rules of the Faculty concerned.

(2) In order to complete a course offered in the Faculty of Education, a student shall comply with the general rules for the degree of bachelor, except where otherwise indicated.

(3) The examination in Professional Studies shall include assessment in Educational Technology, Microteaching, School Hygiene, School Administration and one of the following practical subjects:

(i) Physical Training (Excluding STD Physical Education Option Students)

(ii) Music Appreciation

(iii) Fine Arts

(iv) School Librarianship

(4) Medium courses will be offered in Xhosa, Southern Sotho, Afrikaans, French and English. The examination in these courses shall be both oral and written. A student shall pass (in the Lower Grade) if he obtains an aggregate of 50% with a sub-minimum of 40% in either of the two parts. A candidate who obtains an aggregate of 60% with a sub-minimum of 50% will be awarded a pass in the Higher Grade. The examination in at least one Language medium course must be passed in the Higher Grade.

E.49 (1) A student who fails a first or final-year course may be admitted to a supplementary examination in that course, if he complies with the rules of the Faculty offering that course.

(2) A student who fails to obtain the pass mark in a Method course may not present himself for re-examination before the end of the ensuing academic year: Provided that a candidate who obtains the pass mark but fails to obtain the prescribed sub-minimum in one or both of the practical teaching tests may present himself for re-examination in such tests or tests in the first semester of the ensuing academic year, and shall until then retain credit for the theoretical part of the examination.

(3) A supplementary examination in the language medium tests shall not be held before May of the ensuing year.

Exemptions

E.50 (1) A student may be exempted from the practical requirements in School Hygiene if he can produce a recognised certificate of the Red Cross or the St. John's Ambulance.

(2) A student who at Matriculation level did not take Xhosa and/or Southern Sotho, may substitute Afrikaans and/or English or French as language medium courses on condition that he passes one of them in the Higher Grade.

Distinction

E.51 A student who, in any course, obtains the standard laid down by the Senate, shall be awarded a pass with distinction in that course.

E.45(2) STD – ARTS OPTIONS**First year:**

A minimum of *four* and maximum of *five* courses are to be taken from the following options:

1. Afrikaans-Nederlands I or Afrikaans I or Praktiese Afrikaans
2. English I or Practical English
3. Xhosa I or Sotho I
4. History I
5. Latin I or Special Latin
6. Biblical Studies I/Ecclesiastical History
7. Geography I
8. Mathematics I
9. Economics I
10. Biology I
11. Chemistry I
12. Psychology

N.B. (1) One language course is compulsory but not more than three language courses may be taken

(2) Should a student intend changing over to any other degree or diploma, please bear in mind that for Biology III, Chemistry I and Mathematics I are compulsory.

Second year:

1. Pedagogics I
- 2&3 Method of two approved school subjects (including Practice Teaching)
4. One of Physical Education, Musical Appreciation, Fine Arts
5. Two language medium courses
6. Professional Studies

E.45(3) STD – SCIENCE OPTION**First year:**

A minimum of *four* and a maximum of *five* courses are taken from the following options:

1. Mathematics I
2. Physics I or Physics IA
3. Chemistry I
4. Botany I
5. Zoology I
6. Geography I
7. Biology I (not to be taken with Botany I and/or Zoology I)
8. Psychology I

Second year:

1. Pedagogics I
- 2&3 Method of two approved school subjects (including Practice Teaching)
4. Professional Studies
5. One of Physical Education, Music Appreciation, Fine Arts
6. Two language medium courses

E.45(4) STD — COMMERCE OPTION**First year:**

A minimum of *four* and a maximum of *five* courses, are to be taken from the following options:

1. Economics I
2. Business Economics
3. Accounting I
4. Industrial Psychology/Commercial Law I
5. A Language

Second year:

1. Pedagogics I
- 2&3 Method of two approved school subjects (including Practice Teaching)
4. One of Physical Education, Music Appreciation, Fine Arts
5. Two language medium courses
6. Professional Studies

E.45(5) STD — FINE ARTS OPTION**First year:**

1. English I or Practical English/Afrikaans-Nederlands I or Afrikaans I or Praktiese Afrikaans/Xhosa I
2. History of Art I
3. Painting I/Sculpture I
4. Anthropology I
5. Design I

Second year:

1. Pedagogics I
2. Method of a language and of Art
3. Professional Studies i.e. Educational Technology, School Hygiene, School Administration, Micro-teaching, and ONE of the following practical subjects: Physical Education, Music Appreciation, Fine Arts, School Librarianship
4. Painting II/Design II/Sculpture II
5. Two language medium courses

E.45(7) STD — MUSIC OPTION**Determination of Year of Study:**

- (1) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for that year of study; otherwise he shall be deemed to be in his second year of study;
- (2) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final-year course or when he has obtained credits in these final-year courses, but has still to obtain credits in other courses to complete the requirements for the degree.
- (3) A sub-minimum mark is required not only for Music Education as a whole, but also for each Practical Music examination (piano, singing, recorder and aural training).

First year:

The first *three* courses are compulsory

1. Theory and Harmony I
2. History of Music and Musical Form I
3. Music Education I
4. English I or Practical English/History/Afrikaans-Nederlands I or Afrikaans I or
Praktiese Afrikaans/Xhosa I/Sotho I/Botany/Zoology/Mathematics/Mathematics IA/
Economics I/Physics I or IA/Biology I

Second year:

1. Pedagogics I
2. Theory and Harmony II
3. History of Music and Musical Form II
4. Music Education II and Method of additional School Subject
5. Two language medium courses
6. Professional Studies

E.45(8) STD — PHYSICAL EDUCATION OPTION**1. General Rules**

- (1) All First Year student curricula must be approved by the head of the department before registration.
- (2) With registration a doctor's certificate, which will declare the student physically fit, must be handed to the head of the department.
- (3) All Physical Education students must attend excursions as determined by the head of the department.
- (4) The degree will not be conferred unless a student has handed in referee certificates in at least three sports codes by the end of his final year of study.

2. Determination of Year of Study:

- (1) A student shall be deemed to be in his first year of study until he has obtained credit for at least three courses; in his third year of study when he is taking courses which will enable him to complete the requirements for that year of study, otherwise he shall be deemed to be in his second year of study.
- (2) A candidate shall be deemed to be in his final year of study when he is engaged on all the options of his final year or when he has obtained credits in these final year courses, but has still to obtain credits in other courses to complete the requirements for the degree.

3. Subject Grouping

Group I: major subject in which three courses may be taken

Afrikaans-Nederlands	Geography
Xhosa	History
Sotho	Mathematics
English	Biology
Biblical Studies	Accounting
Economics	Psychology

Group II: Ancillary subject in which not more than two courses may be taken
Afrikaans

Group III: Ancillary subject in which not more than one course may be taken
Practical English Special Latin
Praktiese Afrikaans Applied Computer Science

First year:

- 1. Physical Education I
- 2. Bio-Kinetics I
- 3&4 Two school subjects

DEPARTMENT OF FUNDAMENTAL PEDAGOGICS

BACHELOR'S EXAMINATION (B.Ed.)

(One year)

1	Definition of Science	1
2	The pedagogical dimension	2
3	Adult-child relationships: the aim, limits and possibility and necessity of pedagogy	3
4	The pedagogical consciousness: the object of investigation	4
5	Pedagogy as a science	5
6	Pedagogical methodology: scientific, philosophical, critical and didactical aspects	6
7	The task of the teacher and the school	7
8	Didactics	8
9	Didactics	9
10	Didactics	10
11	Didactics	11
12	Didactics	12
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98	Didactics	98
99	Didactics	99
100	Didactics	100

Syllabi*

DEPARTMENT OF FUNDAMENTAL PEDAGOGICS

BACHELOR'S EXAMINATION (B.Ed)

(One paper)

1. Definition of Science
2. The pedagogical situation.
3. Adult-child relationship, the aim, limits and possibility and necessity of Pedagogy.
4. The pedagogical phenomenon as object of investigation.
5. Pedagogics as a science.
6. Pedagogics: Methodology, structure, categories/criteria and philosophy of life.
7. The task of the teacher and the school.
8. Discipline.

Higher Education Diploma (HED)

(One paper)

1. Orientation Course — (Pedagogical situation).
2. Field and Method of Research with special reference to Fundamental Pedagogics.
3. The phenomenon of Pedagogy.
 - 3.1 Pedagogical relation structure
 - 3.2 Pedagogical aim structure
 - 3.3 Categories and criteria
4. Trends and Thoughts in Pedagogics
i.e. realism, naturalism, idealism, theism, existentialism and phenomenology.
5. Discipline, Authority and Freedom.

Fundamental Pedagogics

Pedagogics I

(Paper I Section A)

1. The pedagogical situation.
 - 1.1 Components of the situation
 - 1.2 Basic relationships between adult and child
2. The aim of Pedagogy.
3. Pedagogical institutions.
 - 3.1 Home
 - 3.2 Church
 - 3.3 School
 - 3.4 State

*See Addendum on p. Edu 45.

Fundamental Pedagogics**Pedagogics II**
(Paper I, Section A)

1. Pedagogics as a science, (as an anthropological ontological description of the phenomenon).
2. Part disciplines of Pedagogics.
3. Pedagogy and values.
4. Possibility and necessity of Pedagogy.
5. Limits of Pedagogy.
6. The relation between theory and practice.

Fundamental Pedagogics**Pedagogics III**
(Paper I, Section A)

1. The methodological analysis of the pedagogical phenomenon.
 - 1.1 Empirical
 - 1.2 Dialectical method
 - 1.3 Hermeneutical method
 - 1.4 Contradictory method
 - 1.5 Phenomenological method
2. Pedagogical categories and criteria.
3. Pedagogy and pedagogics (Philosophies of Life and the image of the child).
4. Discipline, Authority and Freedom.

DEPARTMENT OF HISTORICAL AND COMPARATIVE PEDAGOGICS**HISTORICAL PEDAGOGICS****Bachelor's Examination (BEd)**

(One paper)

1. The theoretical and methodological foundations of Historical Pedagogics as a part-discipline of pedagogics.
2. A brief review of Historical Pedagogics in Europe during the 18th and 19th centuries, with special reference to its influence on South Africa.
3. Underlying trends in the development of education in the Cape Province (with special reference to Ciskei and Transkei) during the 19th and 20th centuries.

Higher Education Diploma (HED)

(One paper)

Part 1: European

1. An introduction to Historical Pedagogics as a Science.
2. The salient features of ancient education with special reference to either Greek or Roman education.
3. Christian education and the Middle Ages.
4. Renaissance and Reformation.

3. The South African system:
 - 3.1 The White-Black dichotomy
 - 3.2 Coloured, Indians

Pedagogics III: Part Two: Comparative Pedagogics

1. The influence of racial and linguistic factors on some educational systems.
2. Factors which have determined the present educational systems in South Africa.
3. General comparison of a few aspects of the South African system for Blacks with those of at least two states in Southern Africa and an interpretation of the differences.
4. General comparison of at least two other systems, for instance European, Far Eastern or American.

DEPARTMENT OF EMPIRICAL EDUCATION AND ORTHOPEDAGOGICS.

Masters Examination (M.Ed)

1. *Programme of the course*

Paper A

Development and terrain of Orthopedagogics

General development of Orthopedagogics from prehistoric period to modern times with special reference to the blind, deaf, epileptic, learning disabled, emotionally disturbed, cerebrally palsied, and the gifted. Historical review of research methodology in Orthopedagogics.

Paper B

Research Methodology, Dissertation Advisement and Curriculum Development

Historical, empirical and phenomenological research methods with special emphasis on curriculum research. The writing of dissertations and theses and the designing, planning and evaluation of curriculum in special education in general and orthodidactics in particular.

Paper C

The Education of the Emotionally Disturbed Children and Youth

The social and psycho-educational needs and nature of the emotionally disturbed child especially the neurotic, hyperactive and autistic children and youth. The different educational theories and practical strategies as well as therapies to help these children overcome their defective emotionality will be evaluated.

Paper D

The Education of Delinquent and Behaviour Disordered Children and Youth

The social, psychological, vocational and educational etiology and therapy of these children with special reference to the Black students. Different remedial and rehabilitation theories and strategies will be reviewed. Implications for future research will be reviewed.

Paper E

The Education of the Gifted and Talented Children

The nature and needs of the gifted, their achievements and under-achievements, emotional disturbances and the different Orthodidactical models which help gifted children actualize their potentials.

Implications for future research will be analysed.

Paper F***The Physically and Sensorily Disabled Children and Youth***

General Orthopedagogics of the physically disabled children with special reference to the crippled, slightly cerebrally palsied, deaf, blind and other physical deformities. Emphasis will be on etiology, psycho-orthopedagogics and orthodidactical pedagogics. Research implications will be considered.

Paper G***Mental Disorders, Retardations and Social Deprivations***

A study of learning disabilities, mental retardation, epilepsy as they effect school students. Etiology, therapy and teaching strategies will be surveyed and applied in practical situations. The pedagogical effect of social deprivations and educational disadvantages will be reviewed with the view of treating them as pedagogical problems. Research implications will be reviewed.

Paper H***The Administration of Special Education and Practicum***

The role of administration in special education and the administration of different special schools. Students will be expected to submit site report and anamnestic single study reports on children in learning difficulties in accordance with recent research methodology.

2. Duration of the Course

- One year of full-time study
- Two years of part-time study.

3. Examinations

To be written in June, October/November and February examination sessions, that is, 2 papers in June, 3 papers in October/November and 3 papers in February.

4. Entrance Qualifications

B.Ed or equivalent qualifications e.g. Honours degree in a related discipline plus HED or equivalent diplomas and certificates.

Bachelor's Examination (B.Ed)**Empirical Education**

(One paper)

1. The accountability of the developmental perspective in Empirical Education.
2. The human, social and pedagogical context of child development.
3. Modes of development.
4. Theories and models of child development and their corresponding educational practices.
5. Critical evaluation of at least one theory concerning the field of Empirical Education.
6. Learning: theories; individual and group differences; motivation; remedial, preparatory and compensatory programmes.
7. Child development within contemporary Western culture (Capita Selecta).
8. Sociopedagogics: its present status, perspective, field and some contemporary issues.

Orthopedagogics

(One paper)

1. The perspective and field of Orthopedagogics.

2. The structure of the problematic pedagogical situation.
3. Various problems presented by the participants in the problematic pedagogical situation (Capita Selecta).
4. Orthopedagogical diagnosis and pedotherapy.

Higher Education Diploma (HED)

Empirical Education and Orthopedagogics

(One paper)

1. The developmental perspective in pedagogics.
2. The course of child development with emphasis on the high school period.
3. The child's potential and its actualisation.
4. The essential features of the problematic pedagogical situation and its appearance during the high school period.
5. Learning during the high school period.
6. Guidance.
7. Contemporary issues in Sociopedagogics concerning the high school period.

Pedagogics I

(Paper 2. Section A)

1. The perspective and field of Empirical Education.
2. Child development as a pedagogical concern.
3. Diverse modes of child development e.g. language acquisition, play, expression, cognition, etc.
4. Learning as a pedagogical concern.
 - 4.1 The home as primary pedagogical situation
 - 4.2 Schoolreadiness
 - 4.3 Types of learning
 - 4.4 Factors that promote and impede learning

Pedagogics II

(Paper 2. Section A)

1. The human, social and pedagogical context of child development.
2. The development of the child's intentionalities.
3. The cognitive and affective modes of development.
4. Intelligence: theories, nature, actualisation, measurement and evaluation.
5. Individual and group differences in development.
6. Theories of learning and development and their accountability.

Pedagogics III

(One paper)

Orthopedagogics

1. The developmental level of the high school pupil.
2. The essential features of the problematic pedagogical situation, its appearance during the high school period and the responsibility of the teacher in this regard.

Sociopedagogics

1. Contemporary issues in Sociopedagogics concerning the high school period.
2. Guidance.

DEPARTMENT OF DIDACTICS AND THE SCIENCE OF TEACHING DIDACTICS**Bachelor's Examination (BEd)**

(One paper)

1. *Introduction and Clarification of terms*
2. *The Modern School: Demand for a new Didactical approach*
 - 2.1 Its changing image
 - 2.2 Its role in modern society (influences of main philosophical trends and schools of thought).
 - 2.3 Problems and challenges facing the school today
 - 2.4 Pedagogical significance of the school
3. *Changed relationships in the modern school*
 - 3.1 Teacher — pupil relationship
 - 3.2 Teacher — Teacher relationship
 - 3.3 Changed role of the headmaster
 - 3.4 The problem of authority and freedom (in didactical context)
4. *The School Curriculum*
 - 4.1 Principles of curriculum design
 - 4.2 Application of some of these principles in the construction of curricula
 - 4.3 Designing curriculum change
5. *Didactical-Pedagogical Survey of the learning process*
6. *Creating effective environments for learning*
 - 6.1 Methodology as a science of instruction
 - 6.2 Basic didactical groundforms
 - 6.3 Basic Methods
 - 6.3.1 Telling (verbal) method
 - 6.3.2 Textbook method
 - 6.3.3 Question and answer (Socratic) method
 - 6.3.4 Demonstration method
 - 6.3.5 Self-discovery (heuristic) method
 - 6.3.6 Thought methods: inductive, deductive and dialectic approaches
 - 6.4 Factors determining the choice of a particular method
7. *Teaching Principles*
 - 7.1 Communication
 - 7.2 Motivation
 - 7.3 Individualization
 - 7.4 Mother-tongue instruction
 - 7.5 Time and learning: Productivity
8. *Instructional technology as a modern methodological concept*
 - 8.1 Introduction and definition
 - 8.2 Development of teaching aids (brief historical survey)

- 8.3 Principles of media selection
- 8.4 Application of technological principles in a teaching programme
- 8.5 Systems teaching
- 8.6 Mastery learning
9. *Re-organization of the school to promote effective teaching and learning*
 - 9.1 A few of the so-called modern "plans" or "systems" like Dalton, Winnetka Project (William Kilpatrick)
 - 9.2 Application of didactical methods like team teaching, remedial and accelerated teaching (with emphasis on retardedness and giftedness in pupils)
 - 9.3 Introduction to some recent developments: Open schools, non-graded schools, multiclass teaching, computer aid in teaching etc.
10. *Introduction to Orthodidactics*
11. *Measurement and Evaluation*

Higher Education Diploma (HED)

Didactics

(One paper)

1. *Introduction and definition*
2. *Importance of the study of didactics for the teacher*
3. *The Modern school and the need for Didactical adjustment*
4. *The lesson*
 - 4.1 The lesson as essence of the didactical-pedagogical situation
 - 4.2 The lesson structure — see format
This lesson structure is to be applied in the method classes, and should also form the basis of the didactics course for the rest of the year
 - 4.2.1 General details, e.g. subject, time, class size, topic, etc.
 - 4.2.2 Learning and Teaching aims, choice of basic forms, teaching techniques, aids etc.
 - 4.2.3 Evaluation or assessment of lesson
5. *Teaching Principles*
 - 5.1 Communication in the classroom
 - 5.2 Motivation
 - 5.3 Authority
 - 5.4 Totality
 - 5.5 Principle of responsibility
 - 5.6 Exploration (self-activity)
 - 5.7 Language and thought (including mother-tongue)

The following are to be dealt with in the specific methods:

 - Methods of instruction
 - Telling or verbal method
 - Textbook method
 - Socratic method
 - Demonstration method
 - Self-discovery method

6. *Thought Methods*
Inductive, deductive and discussion approaches
7. *The Didactical-pedagogical Situation*
Teacher, pupil, learning content
8. *The School Curriculum*
To be treated broadly
Details to be handled in the methods
9. *Regeneration of Education*
 - 9.1 Micro-teaching skills
Main teaching skills are to be dealt with in the micro-teaching and method sessions.
 - 9.2 Introduction to lesson
 - 9.3 Focus — set the scene, outline what is coming
 - 9.4 Variation of stimuli
 - 9.5 Questioning
 - 9.6 Explaining
 - 9.7 Using of examples
 - 9.8 Creation of context — transfer of information
 - 9.9 Consolidation and evaluation
 - 9.10 Encouraging support and praise
 - 9.11 Non-verbal activities

Pedagogics I: Didactics

1. *Introduction to Didactics*
 - 1.1 Definition and scope in overall structure of Pedagogics
 - 1.2 General Didactics
 - 1.3 Specific Didactics
 - 1.4 Relation between education and teaching
2. *The Didactical-Pedagogical situation*
 - 2.1 Definition
 - 2.2 Participants
 - 2.2.1 The Child : As Educand
 - Uniqueness and commonness
 - The learning child
 - Primary school child
 - Secondary school child
 - 2.2.2 The teacher : His task
 - Life Philosophy
 - Authority
 - Profession
 - Training
 - Attributes of the good teacher
 - 2.2.3 Learning content : Nature
 - Function
 - Selection and Scope
 - Orderly arrangement (syllabus)
 - Lesson time-table

3. **Some traditional teaching principles**
 - 3.1 Communication
 - 3.2 Motivation
 - 3.3 Totality
 - 3.4 Exploration (self-activity)
 - 3.5 Self-discovery (heristic) method
4. **Lessons and planning them**
 - 4.1 Introduction
 - 4.2 Types of lessons
 - 4.2.1 Informative
 - 4.2.2 Revision
 - 4.2.3 Drill
 - 4.2.4 Appreciation
 - 4.2.5 Practical
 - 4.3 Long-term planning of lessons
 - 4.3.1 Task analysis for the whole year
 - 4.3.2 Task analysis for semester, month and week
 - 4.4 Important aspects of lesson structure:
 - 4.4.1 Introduction
 - 4.4.2 Motivation
 - 4.4.3 Determining lesson and teaching aims
 - 4.4.4 Determining the strategy
 - 4.4.5 Teaching aids

Pedagogy II: Part One: Didactics

1. **Lessons and planning them**
 - 1.1 The lesson structure:
 - 1.1.1 General details like subject, time, class size, topic etc.
 - 1.1.2 Learning and teaching aims, choice of basic forms, teaching techniques, aids
 - 1.1.3 Evaluation or assessment of lesson

Note: The theoretical aspects are to be put into practice during the Micro-teaching sessions in each specific subject.
2. **Questioning in the classroom**
 - 2.1 Socrates the master questioner
 - 2.2 Importance of question in the teaching situation
 - 2.3 Good questions and bad ones
 - 2.4 Relevance of effective feedback (dealing with pupil's answers)
 - 2.5 Teacher questions
 - 2.6 Pupil questions
3. **Specific methods of instruction**
 - 3.1 Telling or verbal method
 - 3.2 Textbook method
 - 3.3 Demonstration method
 - 3.4 Self-discovery (heuristic) method
 - 3.5 Thought methods: Inductive, deductive and dialectic (discussion) approaches
4. **Examination and Testing**

Pedagogics III: Didactics

1. *The school curriculum*
 - 1.1 Definition and scope
 - 1.2 Principles of curriculum design
 - 1.3 Principles of curriculum construction
 - 1.4 Re-organization of the curriculum (handling of new developments in education)
2. *The syllabus*
 - 2.1 Definition
 - 2.2 Place and value in instructional programmes
 - 2.3 General weaknesses identified in syllabi:
 - 2.3.1 Lack of continuity
 - 2.3.2 Vagueness of description
 - 2.3.3 Incompleteness with regard to module or lesson topic
 - 2.3.4 Overlapping
3. *Introduction to Orthodidactics*
4. *Creativity and giftedness*
5. *Regeneration of education*

THE SCIENCE OF TEACHING**BPED, HED, HSTD, STD**

The main concern of the Department of Didactics and the Science of Teaching comprises the following:

1. To assist students to teach their major subjects skillfully and resourcefully.
2. To develop their insight into the forms of thought and judgement characteristic to their subjects.
3. To reflect critically on the current school curriculum in their subject areas in the light of modern research findings in curriculum problems.

Method of Teaching Subjects:

With special reference to the first-mentioned aim above, the Department gives serious attention to teaching methods and techniques, with main emphasis on the following facets:

1. Current trends in teaching the subject with reference to developments in other countries.
2. Critical evaluation of current syllabuses.
3. Methods of teaching, related to the nature of the subject and the requirements of the syllabus.
4. Lesson design and course planning.
5. Strategies for teaching various aspects of the subject.
6. The design and use of resources and materials.
7. Assessment and evaluation procedures.
8. Laboratory/studio/workshop procedures (where applicable).
9. Ideas gained theoretically during the course will be applied **critically** during micro-teaching and teaching practice.

For the practical application of ideas which are gained theoretically during the course, weekly micro-teaching sessions are held, while for formal practice teaching the students visit schools for two block periods each year, one during the first and another during the second semester.

Professional Studies

Certain courses called Professional Studies are compulsory for all teacher students. These courses comprise the following:

1. Educational Technology (formerly called Audio-visual aids) (ET)
2. School Hygiene
3. School Administration
4. Micro-teaching

For the rest, the students have to take one of the following practical subjects:

1. Physical Training
2. Music Appreciation
3. Fine Arts
4. School Librarianship

The topics mentioned above are dealt with in greater detail as follows:

1. Educational Technology (ET)
 1. Outline of the course in Educational Technology (ET)

SECTION A: THEORY

INTRODUCTION

- 1.1 The modern school
 - 1.1.1 Its changing image
 - 1.1.2 Problems facing the modern school

Note: Very little detail because this topic is dealt with in Didactics
- 1.2 Need for new approaches
- 1.3 A new teaching strategy
- 1.4 Educational Technology
 - 1.4.1 Definition
 - 1.4.2 Brief survey of the development of instructional Technology
 - 1.4.3 Teaching Aids
 - (i) First generation teaching aids
 - (ii) Second generation teaching aids
 - (iii) Third generation teaching aids
 - 1.4.4 Criteria for media selection
 - 1.4.5 Cognitive approach to the use of media
- 1.5 Communication in the classroom
 - 1.5.1 The teacher and his class
 - 1.5.2 Computer-assisted instruction
- 1.6 The systems approach
- 1.7 The didactical principle of perception

SECTION B: PRACTICAL ISSUES

- 1.1 Aids of the first generation
 - 1.1.2 Chalkboard
 - 1.1.3 Bulletin-board
 - 1.1.4 Flannel-board
 - 1.1.5 Hook-and-Loop-Board
 - 1.1.6 Pictures

- 1.1.7 Maps and globes
- 1.1.8 Posters and wall-charts
- 1.1.9 Graphic representations
- 1.1.10 Models
- 1.1.11 Value of Pictures and limitations thereof
- 1.1.12 Some didactic considerations on the use of 'simple' aids

1.2 Aids of the second generation

1.2.1 Film projector

- (i) Short historical survey
- (ii) Handling of projectors
- (iii) Selection and evaluation of films
- (iv) Advantages and disadvantages of films

1.2.2 The overhead projector

- (i) Details and use
- (ii) Preparation of transparencies
- (iii) Advantages and disadvantages

1.2.3 Radio

1.2.4 Record player

1.2.5 Tape recorder and cassette/record player

1.3 Third generation teaching aids

1.3.1 Television teaching and the place and role of video cassettes

1.3.2 Computer-assisted instruction

2. School Hygiene

Functions of the human body

Musculo-skeletal system; circulatory system; respiratory system; digestive system; excretory system; endocrine system; nervous system only in so far as they influence the healthy state of the body.

Dietetics

Food elements, proteins, carbohydrates, fats, calcium, iron, vitamins, nature of the elements, food sources thereof, effects of deficiency.

Hygiene

Personal hygiene; communal hygiene; infections; diseases; including those affecting children and the exclusion of those affected; water supplies; organisation of school health services.

First Aid

Wounds and wound treatment; fractures and dislocations; burns and scalds; artificial respiration; departmental regulations governing periods of isolation for infections and contagious diseases.

3. Educational Management

- 3.1 Definition
- 3.2 The Changing Context of School Administration
- 3.3 Leadership Behaviour and Motivation
- 3.4 Decision-making and Innovation
- 3.5 Planning
- 3.6 Organisation
- 3.7 Supervision and Discipline

3.8 Control

- 3.8.1 Structure of control of Education Departments
- 3.8.2 Local Control of Education in the Independent States
- 3.8.3 Local Control in Local Authorities

3.9 The Human Organisation of Schools

- 3.9.1 The managerial role and task of the Principal
- 3.9.2 The managerial role and task of the deputy principal and heads of departments
- 3.9.3 The role and task of the teacher
- 3.9.4 The professional status of teachers
- 3.9.5 Conditions of service

3.10 Administration

- 3.10.1 Admission and withdrawal of pupils
 - 3.10.2 Assessment and promotion of pupils
 - 3.10.3 Certification
 - 3.10.4 Schools records and administrative routines
- 3.11 The organisation and administration of classroom management

4. *Micro-teaching*

Micro-teaching is considered to be one of the most modern techniques used in the training of teachers. The complexities of the classroom are reduced, firstly by limiting the number of pupils to approximately 6-7, and secondly by concentrating on only one skill at a time. The lesson lasts only about 10 minutes and in that period skills like the following are practised:

- 4.1 Questioning techniques, with special emphasis on divergent questions
- 4.2 Clarity of exposition
- 4.3 Use of certain media
- 4.4 Introduction to a lesson
- 4.5 Motivating students for a lesson
- 4.6 Reinforcement of a skill the pupils are practising

In a university situation students are used as "pupils" largely for practical reasons.

The great advantage of the micro-teaching course is that it gives the student an opportunity to practise and experiment in a safe situation, away from the hurly-burly of the classroom, like the law student with the mock trials.

5. *Syllabus for School Librarianship***1. The situation of the library in the school:**

- (a) A centralised library versus classroom libraries
- (b) The teacher-librarian: his functions, qualities and abilities; reading guidance and book selection and weeding
- (c) Integration of the school library with the school programme

2. School library accommodation and equipment.

- (a) Standard planning
- (b) Principles of functional school library planning:
 - (i) Location
 - (ii) Shape
 - (iii) Size and areas
 - (iv) Lighting, ventilation, heating
 - (v) Equipment and fittings

- (vi) Arrangements and furniture
- (c) The improvised school library
3. School library practice:
- (a) Basic processes and procedures
- (i) Acquisition
 - (ii) Accessioning
 - (iii) Preparation for use
 - (iv) Arrangement on the shelves
 - (v) Circulation
 - (vi) Signposting
 - (vii) Stocktaking
 - (viii) Withdrawal
- (b) Non-book material
- (i) Selection, organization, maintenance
 - (ii) Printed non-book material periodicals, newspapers, cuttings, pamphlets
 - (iii) Audio-visual material: pictures, maps, slides, filmstrips, films, gramophone records, tape recordings.
4. Catalography:
- (a) Classification
- (b) Cataloguing for school libraries
5. Book education:
- (a) Meaning and purpose
- (b) The teaching of book education: care and content; method
6. Practical work in a school library as part of "School practice" and as part of the annual practice teaching period.
7. Physical Education
- Broad principles of Physical Education, and the application of these principles in sport and recreational activities by the lecturer.
8. Music Appreciation
- This course aims at expanding the students experiential horizons in music through the development of
- (i) musical understanding;
 - (ii) musical literacy
 - (iii) musical perception, and
 - (iv) musical skill.

Furthermore, the role of music in education will be examined emphasizing the notion of music education as aesthetic education.

Higher Secondary Teachers' Diploma (Fine Art)

HSTD (Fine Art)

Education II (Special) (Two papers)

1. History of Art Teaching.
2. Art media in Art Teaching.
3. Introduction to aesthetics.

History of Art I (One paper)

- Prehistoric art
- Egyptian art
- Greek and Roman art
- African art.

History of Art IIA. (One paper)

- Medieval art
- Renaissance
- Seventeenth and eighteenth century art.

History of Art IIB (One paper)

- 19th and 20th centuries
- Contemporary art in South Africa
- Primitive art (excluding Africa).

ADDENDUM TO SYLLABI

For examination purposes the subjects in Pedagogics I, II and III are grouped as follows:

Pedagogics I:	Paper 1:	Historical and Fundamental Pedagogics
	Paper 2:	Empirical and Didactical Pedagogics
Pedagogics II:	Paper 1:	Historical and Fundamental Pedagogics
	Paper 2:	Empirical, Didactical and Comparative Pedagogics
Pedagogics III:	Paper 1:	Historical and Fundamental Pedagogics
	Paper 2:	Didactical and Comparative Pedagogics
	Paper 3:	Empirical Pedagogics

DEPARTMENT OF MUSIC**B.ED. M****Music Education (One paper)**

1. A brief review of Music in the Educational Concept of Western Civilization.
2. Music Education in South Africa at primary and secondary levels, with special reference to the situation in Black Schools.
3. Musical aptitude: its determination and development.

BPED M**First year:****1. Theory and Harmony: Course 1 (two papers)****(a) Introduction to Music Theory: the rudiments of music**

- (i) Sound — defining the four characteristics of a single musical sound (duration, pitch, volume and timbre).
- (ii) Sound and Time (rhythm) — related terms and their meanings.
- (iii) Sound and Symbol — rhythmic notation.
- (iv) The Pitch of Sounds — notational devices — the staff — the various clefs — derivation of major and minor scales — key signatures — the circle of fifths — technical names.
- (v) Transcription — sol-fa to staff, staff to sol-fa.
- (vi) Pitch Relationships — intervals — transposition.
- (vii) Foreign words, musical terms and markings.

(b) Introduction to Melody Writing and Harmony

- (i) Triads, basic construction — different species — triads of the major and minor scale — spacing of notes — triads in inversion — triads in four parts — doubling and omission.
- (ii) Basic Principles of Melody Writing: elements Scales, broken chords — range — contour — phrase structure.
- (iii) Basic Principles of Four-part Writing: the primary triads — ranges of the voices (SATB) — types of movement (contrary, similar, oblique) — isolated chords — cadences (perfect and plagal).

2. History of Music and Musical Form. Course 1 (two papers)**General Musical Concepts (1)**

(a) Introduction to the History of Music and Musical Style: the Baroque, Classical, and Early Romantic Periods (major composers and selected works)

(b) Introduction to Musical Structure and Basic Forms:

- (i) Motive, sentence, Phrase
- (ii) Binary form
- (iii) Ternary form
- (iv) Simple rondo form
- (v) Variation form

Analysis of selected works

(c) Instruments of the Orchestra**3. Music Education (Incl. Practical Musical Subjects): Course 1 (one paper, plus practical examinations in piano, singing, recorder, aural training)****(a) Orientation to Music Education**

- (i) Fundamental objectives, concepts and principles for teaching school music.
- (ii) Techniques and materials used in exploring the elements of music through singing, playing melodic and rhythm instruments, bodily movement and creative activity.

(b) Practical Music Subjects**(i) Piano:**

Scales, broken chords and technical exercises

Sight reading

Repertoire: 3 graded pieces must be presented at the end of the year

(ii) Singing:

Technical exercises

Two vocalizzi

Sight reading (unaccompanied)

Repertoire: 4 graded songs of which 2 must be presented at the end of the year.

(iii) Recorder:

Tone production

Various types of tonguing

Scales and arpeggios: C, G and F major (general range to top A)

(iv) Aural training:

Recognition and singing of intervals (in major scale)

Sight reading (within the major scale)

Recognition of rhythmic features in simple and compound times

Second year:**1. Theory and Harmony: Course II (two papers)**

- (a) Primary Triads in root position and inversions (major and minor keys), incl cadential and passing $\frac{6}{4}$ chords.
- (b) All Secondary Triads in the major key, and ii° and VI in the minor key.
- (c) Cadences: perfect, imperfect, plagal, and interrupted in both major and minor keys.
- (d) Harmonization of a figured bass.
- (e) Melody Writing (continuation).
- (f) Keyboard Harmony: simple cadences and progressions.

2. History of Music and Musical Form: Course II (two papers)**General Musical Concepts (2)**

- (a) The Classical Period:
the emergence of the style, and a comprehensive study of major composers (Haydn, Mozart, Beethoven).
- (b) Sonata Form and the development of:
 - (i) the Sonata;
 - (ii) Chamber Music;
 - (iii) the Symphony;
 - (iv) the Concerto.

Analysis of selected works**3. Music Education (incl. Practical Musical Subjects): Course II (one paper, plus practical examinations in piano, singing, recorder, aural training)****(a) Music in pre-primary and primary education**

- (i) Identifying and understanding the musical needs of young children in the various stages of their cognitive, psycho-motor, and affective development. Methods of instruction and presentation of appropriate content.
- (ii) Music Education Workshop.

(b) Practical Music Subjects**(i) Piano:**

Scales, broken chords, and technical exercises

Sight reading

Repertoire: 5 graded pieces, 2 to be presented for a half-year mark, and 3 the end of the year.

(ii) Singing:

Technical exercises

Two vocalizzi

Sight reading (unaccompanied)

Repertoire: 5 graded songs of which 2 must be presented at the end of the year.

(iii) Recorder (Descant, Treble and/or Soprano)

Full chromatic scale to top C

More advanced playing and teaching methods

Ensemble playing

(iv) *Aural training:*

- More advanced rhythmic and melodic features (the latter including the minor scale)
- Sight reading (in both major and minor keys)

Third year:**1. Theory and Harmony: Course III (two papers)**

- (a) Primary and Secondary Triads: consolidation of 2nd year course, plus introduction of vii°_6 (in major and minor keys), iii and III \sharp .
- (b) The Chord of the dominant Seventh.
- (c) Extended Melody Writing.
- (d) Unessential notes and discords: Unaccented passing-notes and suspensions.
- (e) Harmonization of a given melody and of a figured bass.
- (f) Pivot Chord modulations to nearly-related keys.
- (g) Keyboard harmony.

2. History of Music and Musical Form: Course III (two papers)*General Musical Concepts (3)*(a) *The Romantic Period:*

the emergence of the idea, and a comprehensive study of composers (Schubert, Schumann, Mendelssohn, Chopin, Berlioz, Liszt, Brahms, Wagner); the national schools.

(b) *The continued development of:*

- (i) the Sonata;
 - (ii) Chamber Music;
 - (iii) the Symphony;
 - (iv) the Concerto;
- The Lied, Solo Piano Works, and Programme Music.
Analysis of selected works.

3. Music Education (incl. Practical Music Subjects): Course III (one paper, plus practical examinations in piano, singing, recorder, aural training)(a) *Music in secondary education*

- (i) Theory and practice applied to the teaching of general music, singing, aural training, music appreciation, history, and theory. Techniques of working with the adolescent and his problems of interest, changing voice and capability. Methods of instruction, organization and presentation of appropriate content.
- (ii) Music Education Workshop

(b) *Practical Music Subjects*(i) *Piano:*

Scales, broken chords, arpeggios, and technical exercises.

Sight reading

Repertoire: 5 graded pieces, 2 to be presented for a half-year mark, and 3 at the end of the year.

(ii) *Singing:*

Technical exercises

Two vocalizzi

Sight reading (one unaccompanied, one accompanied)

Repertoire: 5 graded songs of which 3 must be presented at the end of the year.

(iii) *Recorder* (all recorders):

Ensemble playing

Improvement of general playing standard with emphasis on ornamentation and expressive considerations

Recorder pedagogy

(iv) *Aural training*:

Singing of a second melody (upper and lower)

Recognition of major, minor, augmented, diminished triads

Recognition of positions of major and minor chords

Recognition of compositional devices: sequence, inversion, augmentation, diminution

Recognition of simple modulations (to dominant, subdominant, and relative minor).

Fourth year:**1. Theory and Harmony: Advanced course (two papers)**

(a) Unessential notes and discords: auxiliary- and accented passing-notes

(b) Secondary dominants, and secondary sevenths

(c) Harmonization of a given melody (with modulation)

(d) More advanced modulation

(e) Keyboard harmony

(f) Vocal arrangements: SA, SAB, SATB

(g) Harmonic analysis (from Bach Chorales)

2. History of Music and Musical Form: Advanced course (two papers)*General Musical Concepts (4)*

(a) The Baroque Period:

the formulation of the musical practice, and a comprehensive study of major composers (Monteverdi, Schütz, J S Bach, Handel, Vivaldi, Scarlatti)

(b) The development of:

(i) the Oratorio;

(ii) the Opera;

(iii) the Suite;

(iv) the Concerto Grosso and Solo Concerto;

(v) The Contrapuntal forms.

Analysis of selected works

Preparation of an Essay on a set theme

3. Music Educational (incl. Practical Music Subjects): Advanced course (one paper, plus practical examinations in piano, singing, recorder, conducting and choral training)

(a) Central issues in developing a school music programme

(i) Resources, teaching/learning aids, reference material and organizational considerations.

(ii) The application of current theories to music education.

(iii) Musical aptitude: its source, description and evaluation.

Student teaching practical.

(b) Practical Music Subjects**(i) Piano:**

- Scales, broken chords, arpeggios and technical exercises
- Sight reading
- Repertoire: 5 graded pieces, 2 to be presented for a half-year mark, and 3 at the end of the year
- Ensemble (duet or accompaniment)

(ii) Singing:

- Technical exercises
- Two vocalizzi
- Sight reading (one unaccompanied, one accompanied)
- Repertoire: 5 graded songs of which 3 must be presented at the end of the year.

(iii) Recorder (all recorders):

- Continuation of programme for the 3rd course

(iv) Conducting and Choral training:

- Conducting technique
- Choral literature suitable for schools
- Planning and organization of rehearsals

HSTD M

First, Second and Third years are the same as B Ped M. Separate papers are, however, set throughout. Third year courses are termed "special".

STD M

First year is the same as B Ped M and HSTD M. Separate papers are, however, set throughout.

Second year:**1. Theory and Harmony: Course II (two papers)**

- (a) Primary Triads, and ii and vi in major, as well as ii^o and VI in minor keys.
- (b) First inversion of I, IV, V(i, iv, v); second inversion of I and IV(i, iv), as well as the passing $\frac{6}{4}$ -chord.
- (c) Cadences: perfect, imperfect, plagal, and interrupted.
- (d) Harmonization of a figured bass.
- (e) Melody-writing.
- (f) Harmonization of simple (non-modulatory) melodies.

2. History of Music and Musical Form: Course II (two papers)**General Musical Concepts (2)**

- (a) A comprehensive study of major composers from the three main periods (J S Bach, Handel, Haydn, Mozart, Beethoven, Schubert, Schumann, Mendelssohn, Chopin, Brahms).
- (b) The development of major musical forms and the analysis of selected works.

3. **Music Education** (incl. Practical Music Subjects): **Course II** (one paper, plus practical examinations in piano, singing, recorder and aural training)
- (a) **Methodology of school music**
- (i) Fundamentals of programme development
 - (ii) Educational Psychology applied to music
 - (iii) Survey of various methodologies including Orff, Kodaly, Dalcrose, Laban, etc.
- (b) **Practical Music Subjects:**
Same as B Ped M and HSTD M.

DEPARTMENT OF PHYSICAL EDUCATION

Physical Education I (Two Papers and Practical Examination)

1. History of Physical Education
2. Recreation
3. Organisation and Administration
4. Practical work theory

Practical work

The following is spread over three years

1. Group fitness
2. Individual and Dual Sport
 - (i) Gymnastics
 - (ii) Eurhythmics (Women only)
 - (iii) Athletics
 - (iv) Tennis
 - (v) Badminton
 - (vi) Boxing (men)
 - (vii) Swimming
 - (viii) Weight training
 - (ix) Squash
3. **Team Sport**
 - (i) Rugby (men)
 - (ii) Soccer (men)
 - (iii) Cricket
 - (iv) Basketball
 - (v) Volley ball
 - (vi) Hockey
 - (vii) Netball
4. Games and large group activities
5. Recreation and leisure time activities

BIO-KINETICS

(One paper)

1. **Anatomy**
 - (i) Terms
 - (ii) Bones of the Body

- (iii) Cells, tissues and organs
- (iv) Systems
 - (a) Muscles
 - (b) Nerves
 - (c) Respiratory
 - (d) Circulatory
 - (e) Endocrine

2. **Physiology**

- (i) Sitology
 - (ii) Histology
 - (iii) Alimentary Tracts
 - (iv) Metabolism and dietetics
 - (v) Blood and Lymphatic system
 - (vi) Senses
 - (vii) Excretory system
 - (viii) Endocrine
- Practicals in Laboratory

DEPARTMENT OF PEDAGOGICAL RESEARCH

B.Ed: One paper in Research Methodology

M.Ed: As required

D.Ed: As required

C.1 The following degrees are conferred in the Faculty:

In Commerce:

Bachelor of Commerce	B Com
Bachelor of Commerce (Hons)	B Com (Hons)
Master of Commerce	M Com
Doctor of Commerce	D Com

In Administration:

Bachelor of Administration	B Admin
Bachelor of Administration (Hons)	B Admin (Hons)
Master of Administration	M Admin
Doctor of Administration	D Admin

The following undergraduate diplomas are conferred in the Faculty:

Diploma in Commerce	Dip Com
Diploma in Public Administration	Dip PA

THE DEGREE OF BACHELOR OF COMMERCE

Course:

C.2 The degree may be obtained in any of the following papers:

- Accounting
- Business Economics/Industrial Psychology
- General

Faculty of Economic Sciences

INTRODUCTION

The Faculty of Economic Sciences offers courses toward the degrees BCom and BAdmin as well as post-graduate courses in various commercial and administrative subjects.

The following departments constitute the Faculty of Economic Sciences:

- Accountancy
- Business Economics
- Economics
- Industrial Psychology

Further subjects are presented towards the BCom and BAdmin degrees by departments or sub-departments from other faculties: Political Science, Public Administration, Statistics, Commercial Law, Social and Economic Legislation, Constitutional and Administrative Law, Applied Computer Science and Business Communication.

A degree in the above directions qualifies one for a wide variety of positions in Commerce, Industry and Public Service. In Southern Africa a large number of vacancies exist in these directions.

RULES FOR DEGREES AND DIPLOMAS

The following faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules. Whenever a course is taken that is offered by another Faculty, the rules of that Faculty applicable to the course shall apply.

C.1 The following degrees are conferred in the Faculty:

In Commerce:

Bachelor of Commerce.....	B Com
Bachelor of Commerce (Honours).....	B Com (Hons)
Master of Commerce.....	M Com
Doctor of Commerce.....	D Com

In Administration:

Bachelor of Administration.....	B Admin
Bachelor of Administration (Honours).....	B Admin (Hons)
Master of Administration.....	M Admin
Doctor of Administration.....	D Admin

The following undergraduate diplomas are granted in the Faculty:

Diploma in Commerce.....	Dip Com
Diploma in Public Administration.....	Dip PA

THE DEGREE OF BACHELOR OF COMMERCE

Options

C.2 The degree may be obtained in any of the following options:

- Accounting
- Business Economics/Industrial Psychology
- General

Curricula

C.3 The curriculum for each of the different options shall be as follows:

Accounting

First year:	1	Accounting I
	2	Business Economics I
	3	Commercial Law I
	4	Economics I
	5	Statistics I
Second year:	6	Accounting II
	7	Business Economics II
	8	Commercial Law II
	9	Economics II
	10	Management Accounting A
Third year:	11	Accounting III
	12	Taxation and Estate Duty
	13	Management Accounting B
	14	Auditing

Business Economics/Industrial Psychology:

First year:	1	Business Economics I
	2	Industrial Psychology I
	3	Accounting I
	4	Economics I
	5	Statistics I
Second year:	6	Business Economics II
	7	Industrial Psychology II
	8	Accounting II
	9	Economics II
	10	Commercial Law I
Third year:	11	Business Economics III
	12	Industrial Psychology III
	13	One of:
	.1	Applied Computer Science I
	.2	Commercial Law II
	.3	Retail Management
	.4	Social and Economic Legislation
	.5	Business Communication

General

First year:	1	Accounting I
	2	Business Economics I
	3	Economics I
	4	Statistics I
	5	One of:
	.1	Commercial Law I
	.2	Industrial Psychology I
	.3	Applied Computer Science I

- Second year:**
- 6 Accounting II
 - 7 Business Economics II
 - 8 Economics II
 - 9 and 10 Two of:
 - .1 Business Communication
 - .2 Applied Computer Science I or II
 - .3 *Commercial Law I or II
 - .4 Development Economics I
 - .5 Industrial Psychology I or II
 - .6 Social and Economic Legislation
 - .7 Statistics II
 - .8 Agricultural Economics E2001 and E2012
- *Commercial Law I is compulsory if not taken in the first year.

- Third year:**
- 11 and 12 Two of:
 - Accounting III
 - Business Economics III
 - Economics III
 - 13 One of:
 - .1 A third year subject not taken above
 - .2 Applied Computer Science II or IIIA
 - .3 Auditing
 - .4 Commercial Law II
 - .5 Development Economics I or II
 - .6 Industrial Psychology II or III
 - .7 Retail Management
 - .8 Social and Economic Legislation
 - .9 Statistics III
 - .10 Business Communication
 - .11 Agricultural Economics E3001 or E3011 and E3022

Language Requirements

- C.4** A student shall attend one lecture per week in the language laboratory in an English commercial language course in the first year of study (approximately 20 hours) and pass a proficiency test. In the event of failing the test, the course will be repeated. No student shall be permitted by the Faculty Examinations Committee to progress to his third year of study unless this requirement has been met.

Restriction on Registration for Courses

- C.5** No student shall take:
- 5.1 Accounting III, Business Economics III, Economics III, Industrial Psychology III, except after or concurrently with Statistics I.
 - 5.2 Accounting III except after Commercial Law I.
 - 5.3 Applied Computer Science II unless he has obtained credit for either of the following courses: Accounting I, Statistics I.
 - 5.4 Auditing except if he has presented himself previously for examination in Commercial Law II or takes it concurrently, and after or concurrently with Accounting III.

- 5.5 Business Economics III except after or concurrently with Accounting I.
 - 5.6 Development Economics I except after Economics I.
 - 5.7 Management Accounting A except after Business Economics I and after or concurrently with Accounting II.
 - 5.8 Retail Management except after or concurrently with Business Economics III.
 - 5.9 Taxation/Management Accounting B except after Business Economics II and Accounting II.
 - 5.10 Agricultural Economics E2001 and E2012 except after Economics I.
 - 5.11 Agricultural Economics E3001 except after E2001 and E2012; E3011 and E3022 except after Economics II and after or concurrently with Business Economics II.
- C.6.1 A student in any year of study may take one course in excess of the number of courses prescribed for that year of study.
- 6.2 For purposes of determining the year of study in 6.4 and 6.5, the second year and third year courses are listed in paragraphs C.10.1 and C.10.2 respectively.
 - 6.3 Two courses listed in paragraph C.10.2 must be taken simultaneously.
 - 6.4 A student is in his first year of study until he has passed three courses.
 - 6.5 A student is in his third year of study when he has passed three courses listed in paragraph C.10.1 and is able to take two courses listed in paragraph C.10.2 simultaneously.
 - 6.6 A student must complete two courses prescribed for the first and second years of study before taking courses listed in C.10.1 and C.10.2 respectively.

Order of Courses:

- C.7 On the recommendation of Faculty, Senate may permit a student to take Commercial Law I and II simultaneously provided that he had presented himself previously for the examination in Commercial Law I.

Choice of Courses:

- C.8 The selection of options and choice of courses must be done in consultation with the Heads of Departments Committee.

Examinations:

- C.9.1 In order to complete a course, a student must comply with the requirements laid down in the general rules (G.9) for a degree of bachelor.
- 9.2 A sub-minimum of 35% is laid down for every paper in a course with more than one paper.
- 9.3 A student shall be admitted to a supplementary examination in a course in which he had failed provided he has obtained:
 - (a) a year mark of at least 50%;
 - (b) an examination mark of at least 40%; and
 - (c) the requisite subminimum in each paper;
 - (d) a pass mark in at least two other courses at the same examination;
 Provided that the above requirements may be waived if the course concerned is the last requirement for his degree and that he did in fact present himself for the examination therein.

Second Year Courses:

- C.10.1 Accounting II
- Applied Computer Science II
- Business Economics II

- Commercial Law II
- Development Economics I
- Economics II
- Industrial Psychology II
- Statistics II

Third Year Courses:

- 10.2 Accounting III
- Applied Computer Science IIIA
- Auditing
- Business Economics III
- Development Economics II
- Economics III
- Industrial Psychology III
- Statistics III

Distinction:

- 10.3 A student who obtains 75% or more of the marks in a course shall be awarded a pass with Distinction. Distinctions will only be awarded for final year courses as listed in C.10.2 above.

THE DEGREE OF BACHELOR OF ADMINISTRATION

Options:

C.11 The degree may be obtained in either of the following options:

- Public Affairs
- Personnel Management

Curricula:

C.12 The curriculum for each of the two options shall be as follows:

Public Affairs:

- First year:**
- 1 Public Administration I
 - 2 Political Science I
 - 3 Economics I
 - 4 Business Economics I
 - 5 Accounting I or Statistics I

- Second year:**
- 6 Public Administration II
 - 7 Political Science II
 - 8 Economics II
 - 9 Business Economics II
 - 10 Juridical Interpretation

- Third year:**
- 11 Public Administration III
 - 12 Political Science III
 - 13 One of the following:
 - .1 Economics III
 - .2 Constitutional and Administrative Law

Personnel Management

- First year:**
- 1 Industrial Psychology I
 - 2 Public Administration I

	3	Economics I
	4	Business Economics I
	5	Statistics I
<i>Second year:</i>	6	Industrial Psychology II
	7	Public Administration II
	8	Economics II
	9	Business Economics II
	10	Political Science I
<i>Third year:</i>	11	Industrial Psychology III
	12	Public Administration III
	13	One of:
		.1 Social and Economic Legislation
		.2 Business Communication

Restriction on Registration for courses:

C.13 No student shall take:

- 13.1 Economics III or Industrial Psychology III except after or concurrently with Statistics I.
- 13.2 Public Administration III except after or concurrently with Political Science I.

Language Requirements:

- C.14** A student shall attend one lecture per week in the language laboratory in an English commercial language course in the first year of study (approximately 20 hours) and pass a proficiency test. In the event of failing the test, the course will be repeated. No student shall be permitted by the Faculty Examinations Committee to progress to his third year of study unless this requirement has been met.

Determination of year of study:

- C.15.1** A student in any year of study may take one course in excess of the number of courses prescribed for that year of study.
- 15.2** For purposes of determining the year of study in 15.4 and 15.5, the second-year and third year courses are listed in paragraphs C.17.1 and C.17.2 respectively.
- 15.3** Two courses listed in paragraph C.17.2 must be taken simultaneously.
- 15.4** A student is in his first year of study until he has passed three courses.
- 15.5** A student is in his third-year of study when he has passed three courses listed in paragraph C.17.1 and is able to take two courses listed in paragraph C.17.2 simultaneously.
- 15.6** A student must complete two courses prescribed for the first and second years of study before taking courses listed in C.17.1 and C.17.2 respectively.

Examinations:

- C.16.1** In order to complete a course, a student must comply with the requirements laid down in the general rules (G.9) for a degree of bachelor.
- 16.2** A sub-minimum of 35% is laid down for every paper in a course with more than one paper.

16.3 A student shall be admitted to a supplementary examination in a course in which he had failed provided he has obtained:

- (a) a year mark of at least 50%;
 - (b) an examination mark of at least 40%; and
 - (c) the requisite subminimum in each paper;
 - (d) a pass mark in at least two other courses at the same examination;
- Provided that the above requirements may be waived if the course concerned is the last requirement for his degree and that he did in fact present himself for the examination therein.

Second Year Courses:

- C.17.1 Business Economics II
Economics II
Industrial Psychology II
Public Administration II
Political Science II

Third Year Courses:

- 17.2 Economics III
Industrial Psychology III
Public Administration III
Political Science III

Distinction:

- 17.3 A student who obtains 75% or more of the marks in a course shall be awarded a pass with Distinction. Distinctions will only be awarded for final year courses listed in C.17.2 above.

THE DEGREE OF BACHELOR OF COMMERCE (HONOURS)

(Please refer also to the Statute and the general rules for the honours degree of bachelor).

C.18.1 The degree may be obtained in any one of the following subjects:

- Accounting
- Applied Computer Science
- Business Economics
- Economics
- Industrial Psychology
- Statistics

A candidate shall not be admitted to any course for the honours degree unless he has obtained the permission of the Head of the Department concerned. Normally candidates will not be admitted to the honours course unless they have obtained at least 60% in the final year in the subject in which they wish to take honours.

- 18.2 The honours course shall extend over not less than one year of full-time study but, except for the honours course in Accounting, a candidate may, with the approval of the head of the department concerned, attend and complete the course in two successive parts, each extending over one academic year.
- 18.3 A candidate may, with the approval of the head of the department concerned, attend the course as a part-time student over two academic years*.

- 18.4 A candidate shall not be permitted to present himself for any part of the examination unless he has, in the opinion of the head of the department concerned, produced work of a satisfactory standard.
- 18.5 In order to pass the examination, a candidate presenting himself for the whole examination during one examination period, must obtain an aggregate of at least 50% of the marks and a sub-minimum of 40% in every paper or course.
- 18.6 In order to pass the examination, a candidate presenting himself for the examination in two parts must not only obtain an aggregate of at least 50% but must also obtain 50% in each paper. This sub-paragraph does not apply to the Accounting course in view of sub-paragraph 18.2 above.
- 18.7 The degree shall be conferred with distinction on a candidate who obtains an aggregate of at least 75%.

*Lectures will be offered at a time considered suitable by the head of the department. (approximately 14 lecture sessions).

Curriculum

C.19 The selection of papers for the Hons Degree shall be done in consultation with the Head of the Department.

19.1 Business Economics:

Candidates for the degree of Bachelor of Commerce (Honours) in Business Economics are required to complete FIVE written papers selected from group A and B below. At least THREE papers from group A and at least ONE from group B, will be prescribed.

Group 1

- Paper A Advanced General Management
- Paper B Advanced Marketing Management
- Paper C Advanced Financial Management
- Paper D Advanced Production Management
- Paper E Marketing Research

Group 2

- Paper F Advanced Business Communication
- Paper G Industrial Relations (Paper C of IPSY H)
- Paper H Personnel Psychology (Paper B of IPSY H)
- Paper I Consumer Psychology (Paper E of IPSY H)
- Paper J Organisational Psychology (Paper D of IPSY H)
- Paper K Business Cycles (Paper E of ECON H)
- Paper L Management Accounting A & B
- Paper M Any other approved paper

N.B. Business Communication is a prerequisite for Advanced Business Communication.
Accounting II is a prerequisite for Management Accounting A and B.
For all other papers the appropriate third year course is a prerequisite.

19.2 Economics:

Candidates for the degree of Bachelor of Commerce (Honours) in Economics shall complete FIVE written papers, of which the two papers in Group 1 and at least one paper selected from Group II shall be compulsory:

Group I	A	Value and Price Theory
	B	Income and Growth Theory
Group II	C	Money and Banking
	D	Development Policy and Planning
	E	Business Cycles
	F	International Economics
	G	Public Finance
Group III	H	National Accounting
	I	Demographic and Labour Problems
	J	Economic History
	K	Economic Thought
	L	Any other approved subject

19.3 Industrial Psychology:

Candidates for the degree of Bachelor of Commerce (Honours) in Industrial Psychology have a choice of completing one of the following two curricula which consist of five papers each:

Option 1:

Paper A	Industrial Psychological Research
Paper B	Personnel Psychology
Paper C	Industrial Relations
Paper D	Organisational Psychology
Paper E	Consumer Psychology
	or
Paper F	Advanced Business Communication (Paper F of BUSE H)
	or
Paper G	Advanced General Management (Paper A of BUSE H)

Option 2:

Paper A	Industrial Psychological Research
Paper B	Personnel Psychology
Paper E	Consumer Psychology
Paper H	Advanced Marketing Management (Paper B of BUSE H)
Paper I	Marketing Research (Paper E of BUSE H)
	or
Paper F	Advanced Business Communication (Paper F of BUSE H)

N.B. Business Communication is a prerequisite for Advanced Business Communication and Business Economics III is a prerequisite for Advanced Marketing Management, Advanced General Management and Marketing Research.

19.4 Accounting:

Candidates for the degree of Bachelor of Commerce (Honours) in Accounting have to complete the following FOUR papers in the same year:

A	Advanced Financial Accounting
B	Advanced Auditing
C	Advanced Management Accounting
D	Advanced Taxation

19.5 Applied Computer Science

Syllabus to be the same as for BSc(Hons).

THE DEGREE OF BACHELOR OF ADMINISTRATION (HONOURS)

(Please refer also to the Statute and the general rules for the honours degree of bachelor)

C.20.1 The degree may be obtained in any one of the following subjects:

- Economics
- Industrial Psychology
- Political Science
- Public Administration

A candidate shall not be admitted to any course for the honours degree unless he has obtained the permission of the Head of the Department concerned. Normally candidates will not be admitted to the honours course unless they have obtained at least 60% in the final year in the subject in which they wish to take honours.

- 20.2 The honours course shall extend over not less than one year of full-time study but a candidate may, with the approval of the head of the department concerned, attend and complete the course in two successive parts, each extending over one academic year.
- 20.3 A candidate may, with the approval of the head of the department concerned, attend the course as a part-time student over two academic years*.
- 20.4 A candidate shall not be permitted to present himself for any part of the examination unless he has, in the opinion of the head of the department concerned, produced work of a satisfactory standard.
- 20.5 In order to pass the examination, a candidate presenting himself for the whole examination during one examination period, must obtain an aggregate of at least 50% of the marks and a sub-minimum of 40% in every paper or course.
- 20.6 In order to pass the examination, a candidate presenting himself for the examination in two parts must not only obtain an aggregate of at least 50% but must also obtain 50% in each paper.
- 20.7 The degree shall be conferred with distinction on a candidate who obtains an aggregate of at least 75%.

THE DEGREES OF MASTER OF COMMERCE AND MASTER OF ADMINISTRATION

C.21 Apart from the general rules applicable to Masters' degrees the special rules of the Faculty apply:

21.1 The degree may be conferred in the following departments:

M Com: Accounting, Business Economics, Economics, Industrial Psychology, Statistics, Applied Computer Science. M. Admin: Economics, Industrial Psychology, Political Science and Public Administration.

*Lectures will be offered at a time considered suitable by the head of the department (approximately 14 lecture sessions).

21.2 *Requirements to pass:*

21.2.1 If the examination for the degrees M Com and M Admin consists of a prescribed number of papers, a candidate shall pass each examination if he attains at least 40% in each paper and an average of at least 50% for all the papers.

Where the examination consists of a dissertation, the student shall pass if his dissertation satisfies the examiners.

Where the examination consists of a dissertation and in addition a written

or oral examination the above-mentioned requirements will apply to the papers and dissertation respectively.

21.2.2 *Industrial Psychology by dissertation:*

Paper A Students are required to undertake a study of literature prescribed by the Department on the specific field of study in which the student intends to carry out research.

An oral or written examination on the prescribed literature must be taken, not earlier than three months or later than one year after first registering for the Masters' degree.

A student will not be permitted to continue with his studies unless the outcome of such an examination is to the satisfaction of the promoter and the Head of the Department.

Paper B Dissertation.

21.2.3 *Industrial Psychology by examination:*

Students are required to pass the six papers indicated below in order to complete the Masters degree in Industrial Psychology.

Paper C Psychometrics and research methodology

Paper D Personnel Psychology

Paper E Industrial Relations

Paper F Consumer behaviour and advertising

Paper G General Management

Paper H Essay on selected topic in the field of Industrial Psychology

All the rules regarding Masters' degrees by examination apply.

Examinations are written in the normal examination periods of the University.

The degree must be completed within two academic years.

21.3 *Pass with distinction:*

Where the examination consists of individual papers a student shall pass with distinction, if he obtains an average of at least 75% for the examination as a whole.

Where the examination consists of a dissertation, a candidate shall pass with a distinction if, in the opinion of the examiners, he has attained a first class standard.

Where the examination consists of a dissertation and, in addition a written or oral examination, the above-mentioned requirements will apply to the papers and dissertation respectively.

THE DEGREES OF DOCTOR OF COMMERCE AND DOCTOR OF ADMINISTRATION

C.22.1 General Rules G.42 to G.56 shall apply.

22.2 *Industrial Psychology:*

Students are required to undertake a study of literature prescribed by the Department in the specific field of study in which the student intends to carry out research.

An oral or written examination on the prescribed literature must be taken, not earlier than three months or later than one year after first registering for the Doctor's degree.

A student will not be permitted to continue with his studies unless the outcome of such an examination is to the satisfaction of the promoter and the Head of the Department.

DIPLOMA IN COMMERCE

Curriculum:

C.23 The curriculum for the Diploma will extend over three years, leading to the "Diploma in Commerce".

The curriculum will consist of the following courses:

- | | | |
|---------------------|----|---|
| <i>First year:</i> | 1 | Economics I |
| | 2 | Business Economics I |
| | 3 | Accounting I |
| | 4 | Statistics I |
| | 5 | Industrial Psychology I or Commercial Law I |
| <i>Second year:</i> | 6 | Economics II |
| | 7 | Business Economics II |
| | 8 | Accounting II or Industrial Psychology I or II or Commercial Law I or II. |
| <i>Third year:</i> | 9 | and 10 Two of the following: |
| | .1 | Economics III |
| | .2 | Business Economics III |
| | .3 | Accounting III |
| | .4 | Industrial Psychology III |

Pu i qv z Gequirements:

C.24 A student shall attend one lecture per week in the language laboratory in an English commercial language course in the first year of study (approximately 20 hours) and pass a proficiency test. In the event of failing the test, the course will be repeated. No student shall be permitted by the Faculty Examinations Committee to progress to his third year of study unless this requirement has been met.

Restriction on Registration for Courses:

C.25 No student shall take:

- 25.1 Accounting III, Business Economics III, Economics III or Industrial Psychology III, except after or concurrently with Statistics I.
- 25.2 Accounting III except after Commercial Law I.
- 25.3 Business Economics III except after or concurrently with Accounting I.

Determination of year of study:

- C.26.1 A student in any year of study may take one course in excess of the number of courses prescribed for that year of study.
- 26.2 For purposes of determining the year of study in 26.4 and 26.5, the second-year and third-year courses are listed in paragraphs C.30.1 and C.30.2 respectively.
- 26.3 Two courses listed in paragraph C.30.2 must be taken simultaneously.
- 26.4 A student is in his first year of study until he has passed three courses.
- 26.5 A student is in his third year of study when he has passed two courses listed in paragraph C.30.1 and is able to take two courses listed in paragraph C.30.2 simultaneously.

- 26.6 A student must complete two courses prescribed for the first and second years of study before taking courses listed in C.30.1 and C.30.2 respectively.

Order of Courses:

- C.27 On the recommendation of Faculty, Senate may permit a student to take Commercial Law I and II simultaneously provided that he had presented himself for the examination in Commercial Law I.
- C.28 The choice of courses must be done in consultation with the Heads of Departments Committee.

Examinations:

- C.29.1 In order to complete a course, a student must comply with the requirements laid down in the general rules (G.9) for a degree of bachelor.
- 29.2 A sub-minimum of 35% is laid down for every paper in a course with more than one paper.
- 29.3 A student will be admitted to a supplementary examination in a course in which he has failed, provided he has obtained:
- 29.3.1 a year mark of at least 50%
- 29.3.2 an examination mark of at least 40% and
- 29.3.3 a pass mark in at least two other courses at the same examination provided that:
- 29.3.3.1 the above requirements may be waived by the examinations committee if the course concerned is the last requirement for his diploma and that he did in fact present himself for the examination therein, and
- 29.3.3.2 no student will be granted a supplementary examination in a course if he fails to obtain the sub-minimum in any paper in that course.

Second Year Courses:

- C.30.1 Accounting II
Business Economics II
Commercial Law II
Economics II
Industrial Psychology II

Third Year Courses:

- 30.2 Accounting III
Business Economics III
Economics III
Industrial Psychology III

Distinction:

- 30.3 A student who obtains 75% or more of the marks in a course shall be awarded a pass with Distinction. Distinctions will only be awarded for final year courses as listed in C.30.2 above.

DIPLOMA IN PUBLIC ADMINISTRATION
(Zwelitsha Branch only)

Admission:

- C.31.1 A student will not be admitted to the course of study for the Dip PA unless he is a seconded official employed in the public sector.

31.2 A school-leaving certificate shall be a prerequisite for admission to the Dip PA.

Options:

C.32 The diploma may be obtained in any one of the following options (Options to be determined every year):

- State Finance
- Personnel Management
- Organisation and Method Study
- Local Government Administration

Courses for Dip PA:

C.33.1 Credits obtained for the Dip PA will not be recognised for degree purposes. Credits obtained for degrees may, with the approval of the Senate, be recognised towards the Dip PA.

33.2 Courses for Dip PA are designated with "D" to indicate that they are for Dip PA purposes only.

The content of courses offered for the Dip PA differs from that of courses offered for degrees.

Curricula:

C.34 Option 1: State Finance

<i>First year</i>	1	Public Administration I	D
	2	State Finance I	D
	3	Economics I	D
	4	Business Economics I	D
<i>Second year</i>	5	Public Administration II	D
	6	State Finance II	D
	7	Economics II	D
	8	Business Economics II	D
<i>Third year</i>	9	Public Administration III	D
	10	State Finance III	D
	11	Economics III	D
	12	Political Science I	D

Option II: Personnel Management

<i>First year</i>	1	Public Administration I	D
	2	Industrial Psychology I	D
	3	Business Economics I	D
	4	State Finance I	D
<i>Second year</i>	5	Public Administration II	D
	6	Industrial Psychology II	D
	7	Business Economics II	D
	8	Business Communication	D
<i>Third year</i>	9	Public Administration III	D
	10	Industrial Psychology III	D
	11	Political Science I	D
	12	Organisation and Method Study I	D

Option III: Organisation and Method study

<i>First year</i>	1	Public Administration I	D
	2	Organisation and Method Study I	D
	3	State Finance I	D
	4	Business Economics I	D
<i>Second year</i>	5	Public Administration II	D
	6	Organisation and Method Study II	D
	7	State Finance II	D
	8	Industrial Psychology I	D
<i>Third year</i>	9	Public Administration III	D
	10	Organisation and Method Study III	D
	11	Industrial Psychology II	D
	12	Political Science I	D

Option IV: Local Government Administration

<i>First year</i>	1	Public Administration I	D
	2	Local Government Administration I	D
	3	State Finance I	D
	4	Business Economics I	D
<i>Second year</i>	5	Public Administration II	D
	6	Local Government Administration II	D
	7	State Finance II	D
	8	Business Economics II	D
<i>Third year</i>	9	Public Administration III	D
	10	Local Government Administration III	D
	11	State Finance III	D
	12	Political Science I	D

Determination of year of study:

- C.35.1 A student in any year of study may take one course in excess of the number of courses prescribed for that year of study.
- 35.2 For purposes of determining the year of study in 36.4 and 36.5, the second-year and third-year courses are listed in paragraphs C.38.1 and C.38.2 respectively.
- 35.3 Two courses listed in paragraph C.38.2 must be taken simultaneously.
- 35.4 A student is in his first-year of study until he has passed three courses.
- 35.5 A student is in his third-year of study when he has passed three courses listed in paragraph C.38.1 and is able to take two courses listed in paragraph C.38.2 simultaneously.
- 35.6 A student must complete two courses prescribed for the first and second years of study before taking courses listed in C.38.1 and C.38.2 respectively.

Examinations:

- C.36.1 In order to complete a course, a student must comply with the requirements laid down in the general rules (G.9) for a degree of bachelor.
- 36.2 A sub-minimum of 35% is laid down for every paper in a course with more than one paper.

36.3 A student will be admitted to a supplementary examination in a course in which he has failed, provided he has obtained:

- 36.3.1 a year mark of at least 50%
- 36.3.2 an examination mark of at least 40% and
- 36.3.3 a pass mark in at least two other courses at the same examination provided that:
 - 36.3.3.1 the above requirements may be waived by the examination committee if the course concerned is the last requirement for his diploma and
 - 36.3.3.2 no student will be granted a supplementary examination in a course if he fails to obtain the sub-minimum in any paper in that course.

Second Year Courses:

C.37.1 Economics II	D
Industrial Psychology II	D
Local Government Administration II	D
Organisation and Method Study II	D
Public Administration II	D
State Finance II	D

Third Year Courses:

C.37.2 Economics III	D
Industrial Psychology III	D
Local Government Administration III	D
Organisation and Method Study III	D
Public Administration III	D
State Finance III	D

Distinction:

C.37.3 A student who obtains 75% or more of the marks in a course shall be awarded a pass with distinction. Distinctions will only be awarded for final year courses as listed in C.38.2 above.

Syllabi

DEPARTMENT OF ACCOUNTANCY

Tutorial:

Three hours tutorial work per week is required for all courses in this Department.

ACCOUNTING

Course I

(One four-hour paper)

Fundamental concepts of Accounting
 Financial statements: structure, concepts and conventions
 Enterprise Accounting
 Cost concepts and elements of cost
 Elementary theory of finance
 Income tax concepts

Course II

(One four-hour paper)

Revision of, and development on the work of the first year
 Accounting systems
 Manufacturing accounts and cost concepts
 Partnership accounts
 Company accounts
 Accounting information for management

Course III

(One four-hour paper)

Revision of, and development on the work of the second year
 Partnership and Company accounting
 Accounting information for management
 Special accounts and accounting procedures

ACCOUNTING FOR ATTORNEYS

(One three-hour paper)

Fundamental concepts of accounting
 Financial statements: structure, concepts and conventions
 Enterprise accounting
 Ordinary and fiduciary attorney's accounts and financial statements

AUDITING

(One three-hour paper)

Basic principles and procedures

ADVANCED FINANCIAL ACCOUNTING

(One four-hour paper)

Advanced application of principles in preceding course

Advanced analysis and interpretation of financial statements
 Advanced company accounting applications
 Special accounting applications

TAXATION

(One three-hour paper)

Taxation of individuals, trusts, estates, partnerships
 Taxation of farming operations
 Taxation of companies

ADVANCED TAXATION

(One four-hour paper)

Special classes of taxpayers and advanced problems in the taxation of individual persons, of associations of persons and of companies in the Republic of South Africa
 Estate duty and estate planning

MANAGEMENT ACCOUNTING A

(Two two-hour papers)

Paper 1 Business Data Processing

Hardware, Software and processing.
 Business analysis and systems design.
 Business applications.
 Computer acquisition.
 Computer controls and security.
 Elementary programming in BASIC.

Paper 2 Management Accounting

Costing terminology.
 Cost-volume-profit relationships.
 Job, process and operation costing.
 Spoilage, waste, defective units and scrap.
 Accounting for payroll.
 Operating and financial budgets.
 Standard costing and variance analysis.
 Variable and absorption costing.
 Cost behaviour and classification.
 Learning curve and application.
 Discretionary and non-manufacturing costs.
 Zero-based budgeting.
 Relevant costs and Decision-making.

MANAGEMENT ACCOUNTING B

(One three-hour paper)

Capital budgeting: DCF, NPV, IRR, Income tax and inflation.
 Cost allocation.

Joint products and By-products
 Transfer pricing
 Divisional performance measurement
 Decision models and uncertainty
 Inventory planning and control
 Linear programming
 Regression analysis
 Standard cost variance analysis
 Financial modelling

ADVANCED MANAGEMENT ACCOUNTING

(One four-hour paper)

Advanced applications of principles in preceding courses
 Advanced financial planning and control
 Advanced financial analysis and management decisions
 Computer applications and management of data processing

ADVANCED AUDITING

(One four-hour paper)

Practical requirements, considerations and applications of principles and procedures.

DEPARTMENT OF BUSINESS ECONOMICS

BUSINESS ECONOMICS

Course I

(One paper)

Introduction to Business Economics.

The task, scope and development of Business Economics as a science.
 The development of the modern business system.
 Economic systems.
 The role of the entrepreneur in the business system.
 The environment of business.
 State and private enterprises.

The development and present structure of South African industry

Introduction to the establishment of a business enterprise

Choice of product.
 Locational and size considerations.
 Deciding upon a form of ownership.
 The organizational structure of the enterprise.

Introduction to the functions performed in the enterprise.

The technical function.
 The financial function.
 The functions of marketing and purchasing.
 The functions of personnel and public relations.
 The function of general management.
 The administrative function.

Course II
(Two papers)

Paper 1**Section 1 Production Management**

- Production management in perspective.
- Production planning and production control.
- Capacity planning and utilization.
- Cost data for production decisionmaking.
- Productivity improvement and productivity measurement.
- The nature and scope of work study and the importance of work standards.
- The nature and scope of method study.
- The nature and scope of work measurement.
- Materials management and inventory control.
- Quality control.
- Quantitative methods in production management.
- Dynamics of production management.

Section 2 Purchasing Management

- The scope and development of the purchasing function.
- Organization of the purchasing department.
- The purchasing budget.
- Purchasing procedures.
- Purchasing policy.
- Purchasing research.

Paper 2**Marketing Management**

- The field of marketing.
- Marketing systems and the marketing environment.
 - The marketing environment.
 - The market.
 - Consumer behaviour.
- Tools available to marketing management.
 - Marketing information systems and market research.
 - Demand measurement and forecasting.
- Marketing and the elements of the marketing mix.
 - Product policy and strategy.
 - Price policy and strategy.
 - Distribution policy and strategy.
 - Promotion policy and strategy.
- The planning, organizing, co-ordinating and controlling tasks of marketing management.
- Marketing in special fields.

Course III
(Three papers)

Paper 1**Financial Management**

- Introduction: Evolution, role and goal of financial management.
- Investment decision: Objective of capital budgeting.

		<ul style="list-style-type: none"> Estimating project characteristics. Cost of capital. Traditional methods that ignore time value of money. Methods that recognise time value of money. Reinvestment rate assumptions. Multiple project capital budgeting. Utility and Risk analysis. Capital asset pricing model. Capital budgeting and inflation.
	Financial decision:	<ul style="list-style-type: none"> Gearing and Leverage. Analysis of financial statements. Ratio analysis. Financial planning. Working capital management. Cash and marketable security management. Accounts receivable and inventory management. Fixed assets management.
Paper 2		
Section 1	Financial Management	<ul style="list-style-type: none"> Financial intermediaries, markets and the stock exchange. Consolidations, mergers and investment companies. Long term debt. Financial reorganisation, liquidation. Dividend decision and dividend policy. Leasing.
Section 2	Research and Forecasting in Business	<ul style="list-style-type: none"> The role and importance of research in modern business. The research process. Research methodology. Processing, analysis and interpretation of data. Forecasting methods.
Paper 3	General Management	<ul style="list-style-type: none"> The scope and nature of general management. The development of modern management theory. Managers and their external environment. The functions of Management: planning, organizing, directing, controlling. Quantitative aspects of management: <ul style="list-style-type: none"> Modern quantitative decision-making tools and processes. Management information systems. Recent developments in management: <ul style="list-style-type: none"> Modern organization structures. Technology, management, and the organization. Social responsibility of management. Management in the future.

ORGANISATION AND METHOD STUDY (D)**Course ID**

(One paper)

Introduction to Organisation and Method Study

Basic organisation and method study concepts.

The importance and objectives of organisation and method study in the public sector.

The government machine.

The administrative process in the public sector.

Systematic investigation and writing of reports.

Implementing, evaluating and maintaining of a system.

Programming of an investigation.

Introduction to organisation study.

Course IID

(Two papers)

Paper 1

Learning theory; attitudes, opinions and prejudice; motivation, morale, social norms, social influence and change, conflict resolution.

The man-machine system.

Paper 2

Restructuring, work, job-redesign — enlargement, enrichment and rotation.

Working conditions, boredom, fatigue — rest period.

Course IIID**Paper 1****Section 1 Productivity Improvement and Measurement**

Partial productivity.

Productivity measurement.

The public sector and productivity.

Section 2**Work Study**

Purpose and value of work study.

Work study procedure.

Work standards and work study.

The human factor in the application of work study.

Work study as a managerial instrument.

Paper 2**Section 1 Method Study**

Definition and objectives of method study.

Basic procedures in method study.

Selection of jobs and the setting of standards.

Recording of data.

Critical examination of the present method or process.

Development, selection and re-examination of the new method.

Definition introduction and maintenance of the new method.

Section 2 Work Measurement

- Definition and purpose of work measurement.
- Basic procedures.
- Techniques of work measurement.
- Stopwatch time study.
- Activity sampling.
- Motion time systems.
- Uses of work measurement.

Paper 3 A report on an organisation and method investigation.

Note: Courses I and III will be offered by the Department of Business Economics
Course II will be offered by the Department of Industrial Psychology.

BUSINESS ECONOMICS (D)

Course ID
(One paper)

Introduction to Business Economics for the Public Sector

- Basic Business Economic concepts.
- The public sector as study object of Business Economics.
- The economic principle and the public sector.
- The field of study covered by Business Economics and its relation to other sciences.

Introduction to the eight functions performed within the Government Department**The Administrative Function**

- The importance and objective of the administrative function in the public sector.
- The task of the administrative function.
 - Communication.
 - Record keeping and filing.
 - Office administration.
 - Information systems.
- Relation between the administrative and other functions.

The Personnel Function

- The importance and objective of personnel management.
- Personnel management in the public sector.
- The task and scope of personnel management in the public sector.
- Employee selection.
- Induction and training of personnel.
- Employee compensation.
- Employee maintenance.
- Working conditions.
- Industrial and labour legislation.

Course IID
(Two papers)

Paper 1

Section 1

The Marketing Function

The application of marketing to the public sector.

Marketing problems facing the public sector.

Marketing within the systems framework.

Analyzing target markets of the public sector.

The marketing program.

Product.

Price.

Distribution.

Promotion and communication.

Section 2

The Function of Public Relations

The importance and objectives of public relations.

Public relations and the public sector.

The promotion of public relations.

The public relations process.

Public relations media.

Prerequisite for successful public relations.

Paper 2

Section 1

The "Production" Function

"Production" in the public sector.

"Production" planning.

"Production" control (use of cost and quality standards)

Productivity measurement and improvement.

Work study and design of work methods.

Maintenance analysis.

The use of computers and automation.

Section 2

The Purchasing Function

The importance and objectives of the purchasing function in the public sector.

Managing the purchasing function.

Purchasing policy.

Purchasing procedure.

Determination of sources of supply.

The determination of prices.

Purchasing research and analysis.

The use of tenders and systems contracts.

Legal and ethical aspects of purchasing.

BUSINESS ECONOMICS HONOURS

The selection of papers for the Honours Degree shall be done in consultation with the Head of the Department.

The examination for this degree comprises the following papers:

Group 1 (offered in the Department of Business Economics)

Paper A Advanced General Management

- Paper B Advanced Marketing Management
- Paper C Advanced Financial Management
- Paper D Advanced Production Management
- Paper E Marketing Research

Group 2

- Paper F Advanced Business Communication
- Paper G Industrial Relations (Paper C of IPSY H)
- Paper H Personnel Psychology (Paper B of IPSY H)
- Paper I Consumer Psychology (Paper E of IPSY H)
- Paper J Organisational Psychology (Paper D of IPSY H)
- Paper K Business Cycles (Paper E of ECON H)
- Paper L Management Accounting A & B
- Paper M Any other approved paper

- N.B. Business Communication is a prerequisite for Advanced Business Communication
Accounting II is a prerequisite for Management Accounting A and B
For all other papers the appropriate third year course is a prerequisite

RETAIL MANAGEMENT

- Introduction and orientation to retail management.
- The retailer and the market opportunity.
- Spatial dimensions of managing retailing systems: location and layout considerations.
- Merchandise management.
- Price policies and practices.
- Retail store promotion.
- Controlling and retail management system.
- The retailing of services.
- Planning future growth.

DEPARTMENT OF ECONOMICS

ECONOMICS

Course I (One paper)

Elementary Microeconomics – Theory and Applications

- Fundamental concepts and the method of economic analysis.
- The basis of exchange and consumer choice.
- Comparative advantage, decentralized coordination and middlemen.
- Substitutes everywhere – demand.
- The firm, costs of production, and supply.
- Price-takers and price-searchers.
- Restrictions on markets, cartels, consumerism and advertising.
- Property rights, pollution and public goods.

Elementary Macroeconomics — Theory and Applications

National Income Accounting and price indices.

Say's Principle.

Information costs and unemployment.

The income — expenditure model and fiscal policy.

Money and banking, monetary policy and theory.

Inflation and inflationary recession.

International trade and finance.

Quantitative Economic Analysis

Linear functions in economics; slope and elasticity.

Simultaneous linear equations and market equilibrium.

Differentiation and applications of the derivative.

Maxima and minima.

Course II

(Two papers)

Paper 1**Section 1 Intermediate Microeconomics — Theory and Application**

Overview of prices and markets.

Indifference curves and exchange.

Demand theory.

Production and cost theory.

Price-takers and price-searchers.

Cartels and mergers.

Distribution theory, capital values and investment decisions.

The economics and mechanics of future trading.

Property rights and the Coase Theorem.

Section 2 Quantitative Economic Analysis

Partial differentiation: functions of two variables and production functions.

Maxima and minima subject to constraints.

Integration: economic applications of the integral.

Paper 2**Section 1 Intermediate Macroeconomics — Theory and Applications**

The analytical framework: National income accounting, important identities and Say's Principle.

Commodities — market equilibrium, consumption and investment.

Money — market equilibrium, the quantity theory, and the bond market.

The money supply process.

Problems of stabilization policy.

Inflation and unemployment.

Open-economy macroeconomics.

Section 2 Quantitative Economic Analysis

Linear algebra; vectors and matrices.

Inverses and determinants.

Linear programming.

Course III
(Three papers)

Paper 1

Section 1 *International Trade*

The modern theory of international trade.

Economic growth and international trade.

Commercial policies — tariffs and protection.

Section 2 *Open Economy Macroeconomics and Monetary Economics*

The nature and impact of money.

Foreign exchange markets and balance of payments statistics.

The international adjustment mechanism.

The international monetary system and the South African financial structure.

International factor movements and economic integration.

Paper 2

Section 1 *Quantitative Analysis of Economic Fluctuations and Growth*

Dynamic analysis of markets.

Business cycle models.

Growth models.

Section 2 *Public Finance*

The anatomy of public economy.

Budget policy.

Taxation.

Effects on efficiency and output.

Public expenditure.

Policy issues.

Paper 3 *Issues in Applied Economics*

Focus is upon important current social issues and the contribution economics can make in unravelling them. The issue is introduced, its economic aspects are examined and economic principles necessary to analyse it are presented and applied to the issue.

ECONOMICS (D)

Course I D

(One three-hour paper)

Economics; its nature and importance for developing nations.

Economic Systems and Third World Economies.

The central economic problems of all societies.

National income and output.

Distribution.

Comparative economic systems.

Physical and human resources.

External dependence.

Important concepts and principles: I

The nature of economic theory.

Scarcity, pricing, demand, supply.

Comparative advantage, specialisation, exchange.
Elasticity and development policies.
Labour and structural rigidities in the less developed countries.

Important concepts and principles: II

The laws of production.
Resources and factors of production.
Appropriate techniques of production.
Savings, investment and time.
Consumption.
Private vs social benefits and costs.

Common Characteristics of developing Countries

Low levels of income.
Per capita national incomes.
Growth rates.
Health, education and population.
Unemployment and underemployment.
Agricultural production and exports.

The meaning of development

Two major approaches.
Traditional measures.

Economic growth: causes and characteristics

The economics of growth.
Capital accumulation.
Technological progress.
Six characteristics of economic growth.

Economic growth and development: lessons and controversies

Resource endowment.
Climatic differences.
Population size, distribution and growth.
Benefits and costs of growth.

Course II D

(Two three-hour papers)

Problems and policies — domestic

Growth, poverty and income distribution: theory and evidence.
Inequality and world poverty.
Economic growth and the extent of poverty.

Attacking poverty and inequality: the policy options

The great population debate

Fertility and mortality trends.
Age structure and dependency burdens.
Birth rates in relation to income levels, GNP growth rates.
Family Planning services.

Economics of population and development

Consumer choice and the demand for goods.

Work and leisure.

The demand for children.

Conflicts, trade-offs and choices among alternative policies.

Unemployment

Urban unemployment.

Labour force: present and projected.

Underutilisation of labour.

Flexible wages and full employment.

Rural to urban migration**Agricultural stagnation and agrarian structures****Subsistence agriculture and rural development****The economics of education****Course III D**

(Three three-hour papers)

Problems and policies — international

International trade and economic development

The terms of trade

Exports and imports

Trade and development: theory and reality

The balance of payments and commercial policies

Private investment and foreign aid

Development planning

Monetary and fiscal policies

Global interdependence and the new international economic order

ECONOMICS HONOURS

Candidates for the degree of Bachelor of Commerce (Honours) in Economics shall complete FIVE written papers, of which the two papers in Group I and at least one paper selected from Group II shall be compulsory:

Group I A Value and Price Theory

B Income and Growth Theory

Group II C Money and Banking

D Development Policy and Planning

E Business Cycles

F International Economics

G Public Finance

Group III H National Accounting

I Demographic and Labour Problems

J Economic History

K Economic Thought

L Any other approved subject.

DEVELOPMENT ECONOMICS**Course I**

(To be taken after Economics I)

- Paper 1** *Growth and development*
 Development and under-development.
 Factors in the development process.
 Obstacles to development.
 Financing Economic development.
 International aspects of development.

- Paper 2** *Regional aspects of development*
 Spatial distributions and social problems.
 Development of a city or region.
 Trade, migration and spatial flows.
 Development theory and social welfare analysis.
 Coalition analysis and conflict resolutions.

Course II

- Paper 1** *Regional and Urban Economics*
 Spatial price theory.
 Location.
 Regional growth.
 Growth-Pole analysis.
 Policy issues.

- Paper 2** *Economic Planning and Programming*
 Principles of planning and programming.
 Typology of and planning for underdeveloped areas.
 Application to Southern Africa.

- Paper 3** *Urban and Regional analysis*
 Demographic models.
 Economic activity and employment analysis.
 Land use and travel demand.
 Programming models.
 Model fitting.

DEPARTMENT OF INDUSTRIAL PSYCHOLOGY**INDUSTRIAL PSYCHOLOGY****Course I**

(One paper)

Introduction to general Psychology

- The science of Psychology
 Evolution, genetics and behaviour
 Psychological processes (perception, learning and memory, motivation, cognition,

communication, needs, emotions and conflict)
 Individual differences (intelligence, abilities and skills)

Introduction to Industrial Psychology

The science of Industrial Psychology
 The organisation (object, structure, goals)
 Man in industry (why he works, the environment, groups in the organisation, leadership, communication)
 Human Resources development (personnel selection, training, work incentives, appraisal and development, organisational change)
 Role of the Industrial Psychologist.

Course II **(Two papers)**

Paper 1:

Personnel Psychology

The organisational system

organisational design, objectives, functions, relationships, structure, the personnel management system — management functions, operative functions

Staffing the organisation

manpower planning
 job analysis
 recruitment
 selection tests
 interviewing
 assessment centres

Employee development

training
 management development
 advancement
 performance appraisal

Remuneration

job evaluation
 incentives

Maintenance

human factors engineering
 working conditions
 accidents and safety
 absenteeism
 labour turnover
 benefit schemes

Paper 2:

Industrial social Psychology

The nature of social interaction
 The socialisation process
 Social motivation
 Stereotyping and prejudice

Exchange theory of social attraction
 Social power and leadership
 Social influence and change
 Human groups
 Social norms and conformity
 Social rules, role strains and resolution

Industrial Relations

History of Industrial Relations
 Comparative Industrial Relations
 History of South African Industrial Relations
 Industrial legislation
 The Psychology of Industrial Relations
 Current issues in Industrial Relations

Course III (Three papers)

Paper 1:

Psychology of Personality

Structure of personality
 Development of personality
 Dynamics of personality

Mental Health

Introduction to mental health
 Emotional illnesses
 Neuroses
 Mental health programmes in industry

Paper 2:

Research Methodology

Introduction to research methods
 The nature of measurement and some basic statistical methods
 Foundations of psychological measurement
 Areas of Psychological measurement
 Psychometric research and the construction of tests
 Application of testing to selection and placement

Consumer Psychology

Nature and role of consumer behaviour in marketing (consumer in society, consumer research)
 Cultural influences on consumer behaviour (norms of behaviour, socialisation)
 Individual influences on consumer behaviour (motivation, emotions, learning and remembering, traits, attitudes, perceptions, thinking, personality, individual differences)
 Group influences on consumer behaviour (imitation and suggestions, the family, social influences, ethnic and religious influences, social class, innovators leaders)
 Economic influences
 Product attributes and consumer behaviour

Promotion and selling and the consumer
 Advertising as persuasive communication
 The psychological basis of advertising (advertisement appeal, presentation, layout, illustration, copy, words and headlines)
 Advertising media
 Consumer decision-making

Paper 3: Organisational Psychology

Nature of the organisational environment
 physical, socio-cultural, technological

Nature of organisations: Properties, structure and processes of organisations

Classical organisational theory
 modern organisational theory
 goals, functions, division of work, co-ordination, communication, decision and control processes
 organisational design, design of work
 approaches to management

Nature of individuals
 perception, learning, needs, personality

Dynamics of organisation behaviour

group dynamics
 informal organisations
 conflict
 motivation to work
 leadership and power

Applications for human resources management

organisational change
 behaviour modification
 organisational development

INDUSTRIAL PSYCHOLOGY (D)

Course I D
 (One paper)

Introduction to general Psychology

The science of Psychology
 Evolution, genetics and behaviour
 Psychological processes (perception, learning and memory, motivation, cognition, communication, needs, emotions and conflict)
 Individual differences (intelligence, abilities, and skills)

Introduction to Industrial Psychology

The science of Industrial Psychology
 The organisation (object, structure, goals)
 Man at work (why he works, the environment, groups in the organisation, leadership, communication)
 Human resources development (personnel selection, training, work incentives, appraisal and development, organisational change)
 Role of the Industrial Psychologist in the public service

Course II D
(Two papers)

Paper 1

Personnel Psychology

The organisational system

organisational design, objectives, functions, relationships, structure, the personnel management system — management functions, operative functions

Staffing the organisation

manpower planning

job analysis

recruitment

selection tests, types and use in Public Personnel Management interviewing

assessment centres

Remuneration

job evaluation

incentives

wage and salary administration, transfers, promotions, demotions

Maintenance

Absenteeism

Labour turnover

Benefit schemes

Paper 2

Industrial social Psychology

The nature of social interaction

The socialisation process

Social motivation

Stereotyping and prejudice

Exchange theory of social attraction

Social power and leadership

Social influence and change

Human groups

Social norms and conformity

Social rules, roles strain and resolution

Industrial Relations

History of Industrial Relations

Comparative Industrial Relations

History of South African Industrial Relations

Industrial legislation

The Psychology of Industrial Relations

Current issues in Industrial Relations

Course III D
(Three papers)

Paper 1:

Psychology of Personality

Structure of personality

Development of personality

Dynamics of personality

Mental Health

Introduction to mental health

Emotional illnesses

Neuroses

Mental health programmes in industry

Paper 2:

Training and development

training

management development

advancement

performance appraisal

Ergonomics

accidents and safety

working conditions

human factors engineering

the Industrial Psychologist and Organisation and Methods

Paper 3:

Organisational Psychology

Nature of the organisational environment

physical, socio-cultural, technological

Nature of organisations: Properties, structure and processes of organisations

classical organisational theory

modern organisational theory

goals, functions, division of work, co-ordination, communication, decision and control processes

organisational design, design of work

approaches to management

Nature of individuals

perception, learning, needs, personality

Dynamics of organisation behaviour

group dynamics

informal organisations

conflict

motivation to work

leadership and power

Applications for human resources management

organisational change

behaviour modification

organisational development

Honours Course

The course consists of the following two curricula which consists of five papers each:

Option 1

- Paper A Industrial Psychological Research
 Paper B Personnel Psychology
 Paper C Industrial Relations
 Paper D Organisational Psychology
 Paper E Consumer Psychology
 or
 Paper F Advanced Business Communication (Paper F of BUSE H)
 or
 Paper G Advanced General Management (Paper A of BUSE H)

Option 2

- Paper A Industrial Psychological Research
 Paper B Personnel Psychology
 Paper E Consumer Psychology
 Paper H Advanced Marketing Management (Paper B of BUSE H)
 Paper I Marketing Research (Paper E of BUSE H)
 or
 Paper F Advanced Business Communication (Paper F of BUSE H)

Master Course**(i) Industrial Psychology by dissertation:****Paper A**

Students are required to undertake a study of literature prescribed by the Department on the specific field of study in which the student intends to carry out research.

An oral or written examination on the prescribed literature must be taken, not earlier than three months or later than one year after first registering for the Masters' degree.

A student will not be permitted to continue with his studies unless the outcome of such an examination is to the satisfaction of the promoter and the Head of the Department.

Paper B Dissertation**(ii) Industrial Psychology by examination**

Students are required to pass the six papers indicated below in order to complete the Masters degree in Industrial Psychology.

- Paper C Psychometrics and research methodology
 Paper D Personnel Psychology
 Paper E Industrial Relations
 Paper F Consumer behaviour and advertising
 Paper G General management
 Paper H Essay on selected topic in the field of Industrial Psychology

APPLIED COMPUTER SCIENCE

(This course is offered by the Department of Applied Computer Science in the Faculty of Science)

Syllabus for BCom(Hons) and MCom degrees to be the same as for BSc(Hons) and MSc respectively.

BUSINESS COMMUNICATION

(This course is offered by the Department of Communication in the Faculty of Arts)

- Paper 1** *Advertising and public relations*
 Consumer behaviour
 Creative decisions in advertising
 Essentials of marketing
 Communication by Objectives

- Paper 2** *Organizational Communication*
 An introduction
 Organizational Theories and Communication
 Communication networks in organization:—
 i interpersonal
 ii non-verbal
 iii interviewing
 iv group (decision-making; problem-solving)
 v public

BUSINESS COMMUNICATION D

The Syllabus for Business Communication D will be the same as for degree purposes.

- Paper 1** *Theory*
 An introduction to human communication
 The business and organizational environment
 The process of business communication

- Paper 2**
 The application of communication and persuasion in the organization:—
 Interviews
 Group situations
 Verbal Communication (i.e. both oral/written)
 Public Relations
 Advertising

ADVANCED BUSINESS COMMUNICATION

(One paper)

- Public Relations
 Advertising
 Marketing Communication
 Organisational Communication

DEPARTMENT OF PUBLIC ADMINISTRATION**Public Administration I D**

Introduction and definition of terms:

- What is public administration?
 The differences between the public sector and the private sector
 The practical implications of the doctrine of separation of powers

The meaning and application of the six main administrative generic principles viz:

- policy-making
- personnel provision
- organising
- work procedure
- financing, and
- control

Public Administration II D

1. **Local Government and Administration**
Introduction and definition of terms:
What is municipal government
The reasons for the existence of municipal authorities
Participation and consultation
Ratepayers and other bodies
How municipalities are formed
Relations between central, provincial and municipal governments
2. **Organising in the Public Sector**
Principles of organisation
Chain of command
Span of control
Internal organizational arrangements
Organizational aids

Public Administration III D

- Approaches to public personnel administration
- Recruitment and selection
- Low public service prestige
- The goal of career service
- The selection process
- The in-service personnel program
- In-service training
- Promotion and dismissals
- Collective bargaining in the public sector
- The merit system

State Finance I D

1. **Policy and policy-making**
What is public policy?
Theories of decision-making
The official policy-makers
Unofficial participants
The implementation of policy
Problems in policy evaluation
2. **Financial Administration**
The scope of government activity

Efficiency in government expenditure
 Responsibility for financial administration
 Concepts of budgeting
 Steps in the budget process
 Accounting, auditing and purchasing

State Finance II D

1. *Financial Administration*
 The influence of the Treasury on the administration of the country
 The disposal of funds and the public accounts
 The functions and powers of the Auditor-General
2. *Control rendering account and procedures in the public sector*
 The foundations of the public financial administration
 Political supremacy
 Recognition of community values and norms
 Administrative judicial requirements

State Finance III D

The environment of Public Administration.
 The management of Governmental Programs
 Financial Management
 The management of people
 Public Personnel management
 Human behaviour in Organisations

Local Government Administration I D

Introduction and definition of terms:

What is municipal Government?
 The reasons for the existence of municipal authorities
 Participation and consultation
 Ratepayers and other bodies
 Relations between central, provincial and municipal governments
 How municipalities are formed

Local Government Administration II D

Municipalities and the process up to elections
 Qualifications and disqualifications of councillors
 Statutory requirements
 Jurisdiction of the courts

The municipal committee systems
 Functional division of work within the council, that is, the use of the multiple committee system and the management committee system
 Procedure at meetings

Tribal and regional administration

Local Government Administration III D

Democracy at the local level

Politics and Municipal Government

Consultation and Apathy

The Ombudsman

Staff and Personnel

The formal aspects of Staff

The function and duties of staff (E.G. Town Clerk)

Diverse aids to efficiency and effectiveness

Law and the administrator

The branches of law

Municipal powers to contract

Property: Acquisition and Expropriation

Planning, Techniques and other matters — Evaluation.

Faculty of Agriculture

RULES FOR THE FACULTY OF AGRICULTURE

The following faculty rules are to be read in conjunction with the provisions of the Act, Statute, regulations and general rules.

Whenever a course is taken that is offered by another Faculty, the rules of that Faculty applicable to the course shall apply.

Note: Any reference to a 'course' or 'courses' in these rules may either refer to semester courses, or courses extending over an academic year, or both, according to the context.

Attendance of all practicals and tutorials is compulsory and absence without departmental permission may result in a student being refused permission to write the end-of-semester examinations.

DEGREES IN THE FACULTY OF AGRICULTURE

Ag.1. The following degrees are conferred in the Faculty of Agriculture:

Bachelor of Agriculture.....	BAgric
Bachelor of Science in Agriculture.....	BScAgric
Bachelor of Science in Agriculture (Honours).....	BScAgric(Hons)
Bachelor of Agricultural Extension (Honours).....	BAgricExt(Hons)
Master of Science in Agriculture.....	MScAgric
Master of Agricultural Extension.....	MAgricExt
Doctor of Science in Agriculture.....	DSAgric

A two year part-time undergraduate diploma in Agricultural Extension and Rural Development is offered.

FACULTY RULES FOR BACHELORS' DEGREES

Ag.2 (i) In order to obtain a degree of bachelor in the Faculty of Agriculture a student must be credited with the courses which are prescribed for the curriculum concerned.

(ii) The number of units assigned to a course shall correspond with the number of lectures and practicals per week per semester.

(iii) On completion of a course a student shall be credited with the number of units assigned thereto.

Ag.3 One of the Boards of Study, as specified hereunder, shall advise the Senate in respect of the curriculum for each study direction.

Ag.4 (i) Under special circumstances departures from a curriculum may be permitted subject to the approval of the Senate on the recommendation of the Board of the Faculty of Agriculture.

(ii) The Senate may, on the recommendation of the Board of the Faculty of Agriculture, give credit towards the degree for a course not included in a particular curriculum.

(iii) The Dean may, on the recommendation of the Head of Department, allow a student to be exempted from F 1011 if he has passed Matriculation Mathematics.

(IV) At the discretion of the Dean in consultation with the Head of the Department, a course designated by a course number which ends with a 3 may be offered in a semester other than that in which it appears in the curricula.

Ag.5 Elective courses are subject to approval by the Dean on the recommendation of the Board of Study concerned.

Ag.6 The Dean may permit a student to take courses normally prescribed for a semester or semesters in advance of that for which he is registered provided that:

- (I) preference be given to courses prescribed for earlier semesters but not yet completed;
- (II) credit has been obtained for the prerequisites; and
- (III) there are no time-table clashes.

Examinations

Ag.7 Examinations shall be held at the end of each semester for semester courses and at the end of each year for full year courses.

Ag.8 (I) in order to complete a course a student must comply with the requirements laid down in the general rules and obtain a sub-minimum of at least 35% of the marks in each paper;

(II) in order to complete a course in a subject offered by a Faculty other than Agriculture, a student shall comply with the rules of the Faculty concerned;

(III) the year or semester mark and the examination mark shall carry equal weight in order to complete a course.

Ag.9 (I) A student may be admitted to a supplementary examination in a course in which he has failed: provided he has obtained:

- (a) a semester mark of at least 50%;
- (b) an examination mark of at least 40%; and
- (c) a pass mark in at least 50% of the units prescribed for that semester

(II) no student will be granted a supplementary examination in a particular course if he fails a sub-minimum in any of his examination papers in that course.

(III) provided that the above requirements may be waived for the next two consecutive examination periods only if the total load for the courses concerned does not exceed 12 units and are the last requirements for a degree and that he did in fact present himself for the examination therein.

Prerequisite and Co-requisite Courses

Ag.10 (I) Except by special permission of the Senate on the recommendation of the Board of the Faculty of Agriculture a student shall not be admitted to a course unless he has completed the prerequisites or concurrently registers for the co-requisites for that course, as specified in the curriculum concerned.

(II) If a student fails but is granted a supplementary examination in any course which is a prerequisite for another course, he shall be deemed to have provisionally complied with such prerequisite; provided that this concession shall lapse if the said supplementary examination is failed.

(III) No credit shall be obtained for a course which requires a prerequisite or co-requisite course until a credit is obtained in the prerequisite or co-requisite course.

Number of Units per Semester

Ag.11 Except where a student requires less than 10 units for completion of the degree, he shall not be permitted to register for less than 10 units or more than 30 units in any one semester, provided that Senate may on the recommendation of the Board of Faculty of Agriculture, only in exceptional cases permit a student who is registered for all the prescribed courses for a particular semester, to register for additional courses.

Determination of Year of Study

- Ag.12 (I) A student shall be deemed to be in his first year of study until he has been credited with at least 65% of the units prescribed for the first year of study.
- (II) A student shall be deemed to be in his second year of study until he has been credited with at least 70% of the units prescribed for the first four semesters;
- (III) A student shall be deemed to be in his third year of study until he has been credited with at least 68% of the units required for the degree.

Practical Work

Ag.13 A student may be required to spend such periods during vacations as may be determined by the Board of the Faculty of Agriculture in doing practical work under the guidance of an approved person or at an approved institution.

Distinction

Ag.14 A student who obtains an overall average of 75% during the last two years of study may be awarded the degree *cum laude*.

THE DEGREE OF BACHELOR OF AGRICULTURE

Duration and Curriculum

Ag.15 The curriculum for the degree shall extend over not less than three academic years.

Ag.16 The curriculum shall be as follows:

BOARD OF STUDY FOR THE AGRICULTURAL PRODUCTION SCIENCES

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
I	1	—	Agricultural Biology	—	5+1	22½
		F 1001	Agricultural Chemistry	—	5+1	
		C 1011	Elements of Agro-meteorology	—	2+1	
		E 1001	Introduction to Agricultural Economics	—	4+½	
		F 1011	Introduction to Scientific Concepts	—	2+1	
.....						
I	2	—	Agricultural Biology	—	5+1	21½
		N 1002	Introduction to Agric. Engineering	F 1011 or Metric Maths	5+1	
		C 1032	Introduction to Crop Science	C 1011	5+1	
		E 1012	Marketing of Agricultural Products	—	3+½	

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total			
II	3	S 1011	Introduction to Soil Science	F 1001	5+1	28			
		C 2001	Elements of crop production	C 1032	6+1				
		P 1011	Introduction to Pasture Ecology	Agric.Biol	3+1				
		A 2011	Introduction to Animal Science	Agric.Biol/ Chem I	5+1				
		M 2021	Plant Pest Control		4+1				
4	P 2042	Veld and Cultivated Pasture Management	P 1011	4+1	25½				
		G 1012	Field Crop Improvement	—		3+½			
		E 2012	Farm Management	E 1001		3+1			
		C 2012	Elementary Irrigation	C 1011		2+½			
		A 2022	Elementary Animal Nutrition	A 2011		4+½			
		E 2022	Farm Accounting	E 2012		2+1			
		X 2002	Introduction to Agricultural Extension	Agric.Biol		3+0			
		III	5	* F 3011		Land Use Planning	S 2011 C 2011 P 2042 C 2012	4+1	25
F 3031	Applied Land Use Planning			co-req F 3011 E 2012	3+0				
Q 3011	Smallstock and Fibre Science			A 2011 Co-req.	5+1				
H 2011	Elements of Fruit and Vegetable Production			C 1032	3+½				
S 2011	Pedology			S 1011	3+1				
H 2001	Elements of Horticultural Science			C 1032	3+½				
6	S 2022			Plant nutrition and Soil Fertility	S 1011	4+½	22		
				F 3022	Project in Applied Land Use Planning	F 3011 F 3031		0+2½	
				X 3002	Agricultural extension and Human Development	X 3012 X 2002		5+1	
				X 3012	Applied Extension and Human Development	X 2002 X 3002 X 3022		5+1	
		X 3022	Seminar	X 2002 X 3002 X 3012	2+0				
		V 3012	Elementary Animal Health	Agric.Biol	0+1				
		Total: 144½							

(*See Note on Page Agr. 24)

AGRICULTURAL ECONOMICS/PRODUCTION CURRICULUM

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
I	1		Agricultural Biology	—	5+1	22½
		F 1001	Agricultural Chemistry	—	5+1	
		C 1011	Elements of Agro-meteorology	—	2+1	
		E 1001	Introduction to Agricultural Economics	—	4+½	
		F 1011	Introduction to Scientific Concepts	—	2+1	
	2		Agricultural Biology	—	5+1	21½
		N 1002	Introduction to Agricultural Engineering	F 1011 or Matric Maths	5+1	
		C 1032	Introduction to Crop Science	C 1011	5+1	
		E 1012	Marketing of Agricultural Products	—	3+½	
	II	3	E 2001	Agricultural Micro-economics	E 1001 or Econ. I	4+1
C 2001			Elements of Crop Production	C 1011	6+1	
S 1011			Introduction to Soil Science	F 1001	5+1	
A 2011			Introduction to Animal Science	Agric. Biol or Chem I	5+1	
P 1011			Introduction to Pasture Ecology	Agric. Biol	3+1	
4		E 2012	Farm Management	E 1001 or Econ I	3+1	24
		E 2022	Farm Accounting	Co-req E 2012	2+1	
		P 2042	Veld and Cultivated Pasture Management	P 1011	4+1	
		C 2012	Elementary Irrigation	C 1011	2+½	
		X 2002	Introduction to Agricultural Extension	Agric. Biol	3+0	
	A 2022	Elementary Animal Nutrition	A 2011	4+½		
F 2002	Introductory Seminar	—	2+0			
III	5	E 3001	Advanced Farm Business Management	E 2012	3+1	23
		E 3011	Agricultural Market Analysis	E 1012 or Econ. I	3+½	
		F 3011	Land Use Planning	S 2011 C 2001 P 2042 C 1032	4+1	
	F 3031	Applied Land Use Planning	Co-req F 3011 E 2012	3+0		
	S 2011	Pedology	S 1011	3+1		
	H 2011	Elements of Fruit and Vegetable Production	C 1032	3+½		

THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE

Duration and Curricula

- Ag.17 The curriculum for the degree shall extend over not less than four academic years.
- Ag.18 The curricula for the various study directions are listed below.

BOARD OF STUDY FOR AGRICULTURAL ECONOMICS

1 Agricultural Economics Curriculum

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
I	1	F 1001	Agricultural Biology	—	5+1	23
			Agricultural Chemistry	—	5+1	
			Business Economics I	—	5+1	
			Economics I	—	5+0	
	2	E 1012	Agricultural Biology	—	5+1	20½
			Marketing of Agricultural Products	—	3+½	
			Business Economics I	—	5+1	
			Economics I	—	5+0	
II	3	E 2001	Agricultural Micro-economics	Econ. I or	4+1	25
			Economics II	E 1001	5+0	
		C 1011	Elements of Agro-meteorology	—	2+1	
		A 2011	Introduction to Animal Science	Agri. Biol	5+1	
			Statistics I	—	5+1	
4	E 2012	Farm Management	Econ. I or	3+1	26	
			E 1001			
	E 2022	Farm Accounting	Co-req	2+1		
			E 2012	5+0		
F 2002	Introductory Seminar	—	2+0			
		Statistics I	—	5+1		
C 1032	Introduction to Crop Science	C 1011	5+1			

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
III	5	E 3001	Advanced Business Management	E 2012	3+1	17½/18
		E 3011	Agricultural Marketing Analysis	Bus.Econ I or E 1012	3+½	
		Economics III	Econ. II	5+0		
		Either: Development Econ. I	Stat. I	5+0		
		Or: Business Econ. II	Econ. I	5+0		
			Bus.Econ II	5+1		
	6	E 3022	Agricultural Development Planning	Econ. II or E 2001	3+½	
		E 3902	Seminar	F 2002	2+0	
			Economics III	Co-req E 3022		
				Econ. II	5+0	
			Stat. I			
IV	7	P 1022	Pasture Ecology	Agric.Biol	4+1	20½/21½
			Either: Development Econ. I	Econ. I	5+0	
		Or: Business Economics II	Bus.Econ. I	5+1		
	7	E 4003	Analytical Techniques in Agricultural Economics	E 3001	5+1	
		E 4903	Seminar	Stats.I		
			Selected Computer Programming	E 3902	2+0	
			At least 8 units chosen from		2+1	
			Business Economics III	Bus.Econ. II	5+1	
			Development Economics II	Dev.Econ. I	5+0	
			Economics Hons paper	Econ. III	5+0	
		C 2001	Elements of Crop Production	C 1032	6+1	
		H 2001	Elements of Horticultural Science	C 1032	3+½	
		H 2011	Elements of Fruit & Veg. Production	C 1032	3+½	
		P 2011	Pasture Management	P.1022	4+1	
					19½/22	

BOARD OF STUDY FOR THE AGRICULTURAL PRODUCTION SCIENCES

2 Animal Production Science Curriculum

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total		
I	1	—	Chemistry I	—	5+1			
		—	Physics IA	—	5+1			
		—	Agricultural Biology	—	5+1			
		C 1011	Elements of Agro-meteorology	—	2+1			
		E 1001	Introduction to Agric. Economics	—	4+½		25½	
	2	—	Chemistry I	—	5+1			
		—	Physics IA	—	5+1			
		—	Agricultural Biology	—	5+1			
		M 1002	Introduction to Microbiology	—	4+1		23	
	II	3	F 1021	General Biochemistry	Chem. I	6+1		
A 2011			Introduction to Animal Science	Agric. Biol	5+1			
S 1011			Introduction to Soil Science	Chem. I	5+1			
C 1021			Water Relations	C 1011	2+1	22		
4			B 1002	Introduction to Biometry	—	5+1		
C 1032		Introduction to Crop Science	C 1011	5+1				
V 2012		Anatomy and Physiology	Agric. Biol	5+1				
P 1022		Pasture Ecology	Agric. Biol	4+1	23			
III		5	Q 3011	Smallstock Science	A 2011	5+1		
			C 2001	Elements of Crop Production	C 1032	6+1		
			G 1001	Introduction to Genetics	—	4+1		
			P 2011	Pasture Management	P 1022	4+1		
			N 2011	Farm Buildings	—	3+½		26½
			6	A 3012	Principles of Animal Nutrition	V 2012/ A 2011		5+1
	V 3022	Animal Health: Non-Infectious Diseases	V 2012	5+1				
	P 2022	Fodder Production & Conservation	P 2011	3+½				
	A 3022	Animal Breeding	G 1001	3+1				
	F 2002	Introductory Seminar	—	2+0				
	E 2012	Farm Management	E 1001	3+1	25½			

Year	Sem. - No.	Course	Pre- & Co-req.	Units	Total		
IV	7	A 4011	Animal Production Systems	A 3012	6+1	23	
		V 4011	Animal Health: Infectious Diseases	V 2012	5+1		
		A 4021	Poultry Production Science	A 3012	3+1		
		A 4901	Seminar	F 2002	2+0		
		A 4031	Dairy Science and Technology	M 1002	3+1		
8	A 4042	Meat Science	V 2012	4+ ½	17/20 ½		
		A 2011					
		Q 4012	Smallstock Management	Q 3011		3+ ½	
		A 4802	Project in Animal Science	A 4011		0+2	
		A 4052	Special Topics in Animal Science	A 4011		2+ ½	
	A 4902	Seminar	—	2+0			
	<i>Choice from the following:</i>						
	X 2002	Introduction to Agric. Extension	Agric. Biol	3+0			
	<i>or</i>						
	Q 4022	Fibre Science	Q 3011	2+ ½			
<i>or</i>							
N 1002	Introduction to Agricultural Engineering	—	5+1				
E 1012	Marketing of Agric. Products	—	3+ ½				
Total: 185 ½ / 189							

3 Animal and Pasture Option

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
I	1	—	Chemistry I	—	5+1	25 ½
		—	Physics IA	—	5+1	
		—	Agricultural Biology	—	5+1	
		C 1011	Elements of Agro-meteorology	—	2+1	
		E 1001	Introduction to Agric. Economics	—	4+ ½	

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
2	1-2	-	Chemistry I	-	5+1	
	1-2	-	Physics IA	-	5+1	
	1-2	-	Agricultural Biology	-	5+1	
		M 1002	Introduction to Microbiology	-	4+1	23
.....						
II	3	F 1021	General Biochemistry	Chem I	6+1	
		A 2011	Introduction to Animal Science	Agric. Biol or Chem. I	5+1	
		S 1011	Introduction to Soil Science	Chem. I	5+1	
		C 1021	Water Relations	C 1011	2+1	22
.....						
	4	B 1002	Introduction to Biometry	-	5+1	
		C 1032	Introduction to Crop Science	C 1011	5+1	
		V 2012	Anatomy and Physiology	Agric. Biol	5+1	
		P 1022	Pasture Ecology	-	4+1	23
.....						
III	5	C 2001	Elements of Crop Production	C 1032	6+1	
		P 2011	Pasture Management	P 1022	4+1	
		G 1001	Introduction to Genetics	-	4+1	
		Q 3011	Smallstock Science	A 2011	5+1	
		N 2011	Farm Buildings	-	3+ ½	26 ½
.....						
	6	V 3022	Animal Health: Non Infectious diseases	V 2012	5+1	
		F 2002	Introductory seminar	-	2+0	
		P 2022	Fodder Production and conservation	P 2011	3+ ½	
		A 3012	Principles of Animal Nutrition	V 2012 and A 2011	5+1	
		Q 4012	Small Stock Management	Q 3011	3+ ½	
		E 2012	Farm Management	E 1001	3+1	25

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total		
IV	7	V 4011	Infectious Diseases	V 2012	5+1	25		
		* F 3011	Land use planning	C 1032	4+1			
		A 4901	Seminar or	—				
		P 4903	Seminar	F 2002	2+0			
		P 3011	Advanced Pasture Management	P 2011	4+1			
		A 4011	Animal Production Systems	A 3012	6+1			
							
		8	F 4012	Project in Land use Planning	F 3011		1+2	
			P 2032	Veld Rehabilitation	P 1022		2+½	
			A 4072	Special Topics in Animal Science	A 4011		2+½	
	P 3022		Special Topics in Pasture Science	P 2011	2+½			
	A 4902		Seminar or					
	P 4903		Seminar	F 2002	2+0			
	A 3022		Animal Breeding	G 1001	2+½			
	E 1012		Marketing of Agric. Products		3+½	18½		
.....								
Total Units: 188½								

4 Agricultural Production Science Curriculum

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
I	1		Chemistry I		5+1	25½
			Physics IA		5+1	
			Agricultural Biology		5+1	
		C 1011	Elements of Agro-meteorology		2+1	
		E 1001	Introduction to Agric. Economics		4+½	
.....						
	2		Chemistry I		5+1	23
			Physics IA		5+1	
			Agricultural Biology		5+1	
		M 1002	Introduction to Microbiology		4+1	

*See Note on Page Agr. 24

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
II	3	F 1021	General Biochemistry	Chem. I	6+1	27
		M 2021	Plant Pest Control		4+1	
		A 2011	Introduction to Animal Science	Agric. Biol or Chem. I	5+1	
		C 1021	Water Relations	C 1011	2+1	
		S 1011	Introduction to Soil Science	Chem. I	5+1	
	4	B 1002	Introduction to Biometry	—	5+1	27
		C 1032	Introduction to Crop Science	C 1011	5+1	
		V 2012	Anatomy and Physiology	Agric. Biol	5+1	
		P 1002	Pasture Ecology	Agric. Biol	4+1	
		E 2012	Farm Management	E 1001	3+1	
III	5	C 2001	Elements of Crop Production	C 1032	6+1	23
		P 2011	Pasture Management	C 1032		
				P 1022	4+1	
		S 2011	Pedology	—	3+1	
		H 2001	Elements of Horticultural Science	C 1032	3+½	
	H 2011	Elements of Fruit and Vegetable Production	C 1032	3+½		
	6	A 3012	Animal Nutrition	A 2011	5+1	28
				V 2012		
		V 3022	Animal Health: Non-Infectious Diseases	V 2012	5+1	
		N 1002	Introduction to Agricultural Engineering Matric. Maths	F 1011 or	5+1	
S 2022		Plant Nutrition and Soil Fertility	S 1011	4+½		
P 2022	Fodder Production and Conservation	P 2011	3+½			
F 2002	Introductory Seminar	—	2+0			

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
IV	7	* F 3011	Land Use Planning	S 2011 S 2022 C 2001 P 2011	4+1	
		Q 3011	Smallstock Science	A 2011	5+1	
		C 4901	Seminar or	—		
		P 4903	Seminar	—	2+0	
		G 1001	Introduction to Genetics	—	5+1	19
					
8		X 2002	Introduction to Agric. Extension	Agric. Biol	3+0	
		F 4012	Project in Land Use Planning	F 3011	0+2	
		P 2032	Veld Rehabilitation	P 1022	2+ ½	
		C 3012	Principles of Irrigation	C 1032 and C 1021	5+1	
		E 1012	Marketing of Agricultural Products	—	3+ ½	17
.....						
Minimum number of units required: 189 ½						

*See Note on Page Agr. 24

*See Note on Page Agr. 24

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total			
III	5	C 2001	Elements of Crop Production	C 1032	6+1	25			
		H 2001	Elements of Horticultural Science	C 1032	3+ ½				
		S 2011	Pedology	S 1011	4+1				
		N 3001	Hydraulics	Phys. 1A	5+1				
		H 2021	Post Harvest Physiology and Technology	H 2001 C 1032	3+ ½				
6	6	C 3012	Principles of Irrigation	C 1032 C 1021	5+1	23 ½			
		F 2002	Introductory Seminar		2+0				
		S 2022	Plant Nutrition and Soil Fertility	S 1011	4+ ½				
		H 3002	Vegetable Crops	H 2001	4+1				
		B 1002	Introduction to Biometry	—	5+1				
IV	7	*F 3011	Land Use Planning	N 3001 S 2011 S 2022 S 3012	4+1	23			
		N 4903	Seminar	F 2002	2+0				
		C 3011	Advanced Crop Science	C 2001	4+1				
		H 3001	Citrus Fruits	H 2001 H 2021	4+1				
		N 4001	Irrigation and Drainage Engineering	N 3001	5+1				
		8	8	F 4012	Project in Land Use Planning		F 3011	0+2	21 ½
				H 3022	Sub-tropical Fruits or		H 2001	4+1	
				H 3012	Temperate Fruits		H 2021	4+1	
				N 3023	Introduction to Farm Machinery		N 1002	5+1	
				H 4003	Special topics in Horticultural Science or		H 3002 and H 3012 or H 3001 or H 3022	2+ ½	
C 4002	Special topics in Crop Science			C 3001	2+ ½				
N 3033	Practical Engineering Surveying			Surv. I	0+2				
S 3022	Soil Physics	S 1011	3+1						
Total: 187 ½									

*See Note on Page Agr.24

6 Plant Production Science Curriculum

6.1. Crop Science and Horticultural Science Option

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
I	1	—	Chemistry I	—	5+1	25½
		—	Physics IA	—	5+1	
		—	Agricultural Biology	—	5+1	
		C 1011	Elements of Agro-meteorology	—	2+1	
		E 1001	Introduction to Agric. Economics	—	4+½	
.....						
I	2	—	Chemistry I	—	5+1	23
		—	Physics IA	—	5+1	
		—	Agricultural Biology	—	5+1	
		M 1002	Introduction to Microbiology	—	4+1	
.....						
II	3	F 1021	General Biochemistry	Chem. I	6+1	27
		M 2021	Plant Pest Control	—	4+1	
		A 2011	Introduction to Animal Science	Agric. Biol/ Chem. I	5+1	
		C 1021	Water Relations	C 1011	2+1	
		S 1011	Introduction to Soil Science	Chem. I	5+1	
.....						
II	4	N 1002	Introduction to Agric. Engineering	F 1011 or Metric.Maths	5+1	27
		C 1032	Introduction to Crop Science	C 1011	5+1	
		V 2012	Anatomy and Physiology	Agric. Biol	5+1	
		P 1022	Pasture Ecology	—	4+1	
		E 2012	Farm Management	E 1001	3+1	

Total 187½

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total	
III	5	C 2001	Elements of Crop Production	C 1032	6 + 1		
		H 2001	Elements of Horticultural Science	C 1032	3 + ½		
		H 2021	Post-Harvest Physiology and Technology	C 1032	3 + ½		
				(co-req)	H 2001		
		S 2011	Pedology	S 1011	4 + 1		19
	6	S 2022	Plant Nutrition and Soil Fertility	S 1011	4 + ½		
		C 3012	Principles of Irrigation	C 1032	5 + 1		
					C 1021		
		B 1002	Introduction to Biometry		5 + 1		
		F 2002	Introductory Seminar	—	2 + 0		
		H 3002	Vegetable Crops		H 2021/		4 + 1
					H 2001		
					23 ½		
IV	7	* F 3011	Land Use Planning	S 2011	4 + 1		
				S 2022			
				C 2001			
				C 3012			
		H 3903	Seminar		H 2001/		2 + 0
					H2021/		
					H2011		
		C 4901	Seminar	—	2 + 0		
		C 3001	Advanced Crop Science	C 2001	4 + 1		
		H 3000	Horticultural Project		H 2001/		0 + 1
				H 2021			
	H 3001	Citrus Fruits	H 2001/	4 + 1			
				H 2021			
	G 1001	Introduction to Genetics	—	4 + 1	23		
	8	F 4012	Project in Land Use Planning	F 3011	0 + 2		
X 2002		Introduction to Agric. Extension	Agric. Biol	3 + 0			
H 3022		Sub-tropical Fruits		H 2001/	4 + 1		
				H 2021			
H 3012		Temperate Fruits	H 2001/	4 + 1			
			H 2021				
H 3000		Horticultural Project		H 2001/	0 + 1		
				H 2021			
H 4003		Special Topics in Horticultural Science		H 3002 and			
			H 3012 or H 3022	2 + ½			
E 1012	Marketing of Agric. Products	—	3 + ½				
G 1012	Field Crop Improvement	—	3 + ½				
C 4002	Special Topics in Crop Science	C 3001	2 + ½	19 ½ / 20 ½			
<p>Minimum number of units required: 187 ½ / 188 ½</p>							

*See Note on Page Agr. 24

6.2 Crop Science and Soil Science Option

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
I	1	—	Chemistry I	—	5+1	25½
		—	Physics IA	—	5+1	
		—	Agric. Biology	—	5+1	
		C 1011	Elements of Agro-meteorology	—	2+1	
		E 1001	Introduction to Agr. Economics	—	4+½	
2	—	—	Chemistry I	—	5+1	23
		—	Physics IA	—	5+1	
		—	Agric. Biology	—	5+1	
		M 1002	Introduction to Microbiology	—	4+1	
II	3	F 1021	General Biochemistry	Chem. I	6+1	21
		M 2021	Plant Pest Control	—	4+1	
		S 1011	Introduction to Soil Science	Chem. I	5+1	
		C 1021	Water Relations	C 1011	2+1	
4	—	C 1032	Introduction to Plant Science	C 1011	5+1	27
		B 1002	Introduction to Biometry	—	5+1	
		P 1022	Pasture Ecology	Agric. Biol	4+1	
		N 1002	Introduction to Agricultural Engineering	F 1011 or Matric Maths	5+1	
		E 2012	Farm Management	E 1001	3+1	
III	5	CH 201/2	Intermediate Analytical and Inorganic Chemistry	Chem. I	2+½	22½
		CH 211/2	Intermediate Organic Chemistry	Chem. I	2+0	
		C 2001	Elements of Crop Production	C 1032	6+1	
		S 2011	Pedology	S 1011	3+1	
		H 2011	Elements of Fruit and Vegetable Production	C 1032	3+½	
		H 2001	Elements of Horticultural Science	C 1032	3+½	

Minimum number of units required: 18½ (18½)

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total			
	6	CH 201/2	Intermediate Analytical and Inorganic Chemistry	Chem. I	2 + ½	23			
		CH 211/2	Intermediate Organic Chemistry	Chem. I	2+0				
		C 3012	Principles of Irrigation	C 1032	5+1				
		S 2022	Plant Nutrition and Soil Fertility	C 1021 S 1011	4 + ½				
		M 2012	Soil Microbiology	M 1002	5+1				
		F 2002	Introductory Seminar	—	2+0				
IV	7	C 3001	Advanced Crop Science	C 2001	4+1	26 ½			
		C 4901	Seminar	C 4011	2+0				
		* F 3011	Land Use Planning	C 2011 & S 2011/ S 2022/ C 3012	4+1				
		S 3011	Soil Chemistry	S 1011	4+1				
		S 3091	Seminar	—	2+0				
		G 1001	Introduction to Genetics	—	4+1				
		S 3041	Soil Mineralogy	S 2011	2 + ½				
		8		C 4002	Special Topics in Crop Science		C 3001	2 + ½	17
				S 3022	Soil Physics		—	3+1	
S 3032	Chem. Analysis of Soils, Plants and Water			S 1011	1+2				
S 3092	Seminar			—	2+0				
F 4012	Project in Land Use Planning			F 3011	0+2				
S 2032	Soil Taxonomy			—	3 + ½				

Total units required: 185 ½

*See Note on Page Agr. 24.

BOARD OF STUDY FOR FUNDAMENTAL AGRICULTURAL SCIENCES

7 Soil Science Curriculum

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total	
I	1 & 2	—	Chemistry I	—	10+2	48	
		—	Agricultural Biology	—	10+2		
		—	Physics IA	—	10+2		
		—	Geography I	—	10+2		
II	3	S 1011	Introduction to Soil Science	Chem. I	5+1	21	
		C 1011	Elements of Agro-meteorology	—	2+1		
		—	Geology I	—	5+1		
		—	Mathematics I/Statistics I	—	5+1		
	4	C 1032	Introduction to Crop Science	C 1011	5+1	23	
		—	Geology I	—	5+1		
		—	Mathematics I/Statistics I	—	5+1		
		M 1002	Introduction to Microbiology	—	4+1		
	III	5	S 2011	Pedology	S 1011	3+1	22 ½
				Chemistry II	Chem. I	4+1 ½	
GA 201/2			Geomorphology	Geog. I	2+1		
C 2001			Elements of Crop Production	C 1032	6+1		
C 1021			Water Relations	C 1011	2+1		
6		C 3012	Principles of Irrigation	C 1032 C 1021	5+1	24 ½	
		S 2022	Plant Nutrition and Soil Fertility	S 1011	4+ ½		
		F 2002	Introductory Seminar		2+0		
			Chemistry II	Chem. I	4+1 ½		
		GA 201/2	Geomorphology	Geog. I	2+1		
S 2032	Soil Taxonomy		3+ ½				

Year	Sem.	No.	Course	Pre- & Co-req.	Units	Total
IV	7	S 3011	Soil Chemistry	S 1011	4+1	19
		S 3091	Seminar	—	2+0	
		E 1001	Introduction to Agric. Economics	—	4+ ½	
		* F 3011	Land Use Planning	S 2011	4+1	
				C 2001		
	S 3041	Soil Mineralogy	S 2011	2+ ½		
	8	S 3022	Soil Physics	S 1011	3+1	
		S 3032	Chemical Analysis of Soils, Plants and Waters	S 1011	1+2	
		S 3092	Seminar	—	2+0	
		M 2012	Soil Microbiology	M 1002	3+1	
F 4012		Project in Land Use Planning	F 3011	0+2		
B 1002		Introduction to Biometry	—	5+1		

Minimum number of units required: 179

*See Note on Page Agr. 24.

***NOTE:** (Certain sections of F 3011 are common to all study directions and therefore run concurrently. Classes are split in specified sections to provide the required specialization).

Course	Curriculum Option	Pre-requisites
F 3011	Soil Science	S 2022
	Crop Science/Soil Science	S 2011
	Crop Science/Horticulture	C 3012
		C 2001
F 3011	Irrigation	S 2011
		C 3012
		C 2001
		N 3012
F 3011	Agric Production Science Animal/Pasture Science	S 2011
		P 2011
		C 2001
		S 2022
F 3011	B Agric	S 2011 (co-req)
		P 2042
		C 2001

* Pre-requisite must conform to the study option

POST-GRADUATE STUDIES IN AGRICULTURE

- (1) A prospective postgraduate student must discuss his proposed studies with the relevant departmental head before submitting his application to the administration.
- (2) Application forms must be accompanied by a written recommendation from the departmental head.
- (3) BAgic (Extension) Hons: For admission to the part-time course a candidate shall have had a minimum of two years employment in a field of agriculture approved by the Head of the Department.

Entrance requirements for Honours

A candidate shall not be admitted to any course for the honours degree unless he has obtained the permission of the Head of the Department concerned. Normally candidates will not be admitted to the honours course unless they have obtained at least 60% in the final year in the subject in which they wish to take honours, and in the case of Agricultural Extension, which is not generally offered at undergraduate level, a 60% pass in another subject(s), regarded as relevant by the Head of Department, will be required.

THE DEGREE OF BACHELOR OF AGRICULTURAL EXTENSION (HONOURS)

(Refer also to the Statute and general rules for the honours degree of bachelor)

Admission

Ag.19 (1) A person shall not be admitted as a candidate for the degree unless he holds the degree of Bachelor of Agriculture or the degree of Bachelor of Science in Agriculture of the University or has been admitted to the status of either of these degrees: Provided that by special permission of the Senate a holder of another bachelor's degree may be admitted.

(2) For admission to the part-time course a candidate shall have had a minimum of two years employment in a field of agriculture approved by the Head of Department.

Study Programme

Ag.20 A candidate shall attend and complete a programme of study in accordance with the syllabus. The course can be done as either:

- (a) A full-time course extending over not less than one academic year, or
- (b) A part-time course extending over not less than two academic years.

Examinations

Ag.21 The examinations shall consist of two written papers, one oral paper, a dissertation, an oral examination on the dissertation and seminars presented during the course. The examinations will be written as follows:

(a) Full-time course:

(i) Papers 1 and 2 (written) Paper 3 (oral) and Paper 6 (Seminar), as per Ag43, in October.

(ii) Paper 4 (Dissertation) and Paper 5 (Oral examination on dissertation) as per Ag43, in the February following the October examinations during which the other 4 papers (See Ag21(a)(i)) were written.

(b) Part-time course:

(i) Papers 1 and 2 written as per Ag43 in October of the first year of study.

(ii) Paper 3 (Oral), Paper 4 (Dissertation); Paper 5 (Oral examination and dissertation), Paper 6 (Seminars) in the February examination in February following the second year of study.

Sub-minimum

As for the degree of Bachelor of Science in Agric (Honours)

Duration of Course

Ag.22 The minimum period of study shall be one academic year unless otherwise determined by Senate.

Ag.23 See page Agr. 42

THE DEGREE OF MASTER OF AGRICULTURAL EXTENSION

(Refer also to the Statute and general rules for the degree of Master)

Admission

Ag.24 A person shall not be admitted as a candidate for the degree unless he holds the degree of Bachelor of Agricultural Extension (Honours) of the University.

See rules for the degree of Master of Science in Agriculture.

THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE (HONOURS)

(Refer also to the Statute and the general rules for honours degree of bachelor)

Admission

Ag.25 Except as provided for in Rules AG.26 and 27 below a person shall not be admitted as a candidate for the degree unless he holds the degree of Bachelor of Science in Agriculture of the University or has been admitted to the status thereof.

Ag.26 (1) The Senate, upon recommendation of the Board of the Faculty of Agriculture, may permit a candidate who is in possession of a three year bachelor's degree with acceptable major subjects, to register for postgraduate study in Agriculture. Such a candidate must register as a special student for a minimum period of one academic year, during which time courses in the major study direction and certain other prescribed courses must be completed.

After completion of these prescribed courses to the satisfaction of the Senate upon the recommendation of the Board of the Faculty of Agriculture, the candidate will be permitted to register for the degree of Bachelor of Science in Agriculture (Honours).

In special cases the Senate, upon recommendation of the Board of the Faculty of Agriculture, may reduce or exclude this preliminary study period in terms of Rule Ag.27.

(2) On the recommendation of the Board of the Faculty of Agriculture the Senate may admit a candidate in possession of any other acceptable degree to register for the degree.

Ag.27 The Senate upon recommendation of the Board of the Faculty of Agriculture, may admit a candidate in possession of a three year bachelor's degree with acceptable major subjects to register directly for the degree of Bachelor of Science in Agriculture (Honours) or reduce the preliminary study period (Rule Ag.26), provided that he both —

- (i) presents proof that he has had extensive experience in his intended field of study and
- (ii) completes prescribed admission examinations to the satisfaction of the Board of the Faculty of Agriculture.

Subjects

Ag.28 *The degree may be obtained in any one of the following subjects:*

Agricultural Economics	Soil Science
Agricultural Extension	Horticultural Science
Crop Science	Pasture Science
Animal Science	Plant Pathology

Examinations and Pass Mark

Ag.29 The examination shall comprise not less than four or more than six papers including oral and practical papers. The number of oral papers shall not exceed that of the written papers.

Sub-minimum

Ag.30 There shall be a sub-minimum of 40% for each paper.

Duration of Course

Ag.31 The minimum period of study shall be one academic year for students holding the degree of Bachelor of Science in Agriculture and two years for all other bachelor degrees.

Distinction

Ag.32 The degree shall be conferred *cum laude* on a candidate who obtains an average examination mark of not less than 75%.

Commencement of Studies

Ag.33 (1) For all the options for which the Board of Study for Fundamental Agricultural Sciences are responsible, i.e. Soil Science, Genetics, Microbiology and Plant Pathology, students are required to report for duty on the first Monday after 10 January. For all other options students are required to report to the Department concerned on the first day of first year registration.

(2) Students may be required to pursue their studies at the University during University holidays.

Ag.34 In addition to the provisions of Rule Ag.29 a candidate may be required to submit a dissertation and/or to present himself for such other examination/s as is determined by the Senate on the recommendation of the Board of the Faculty of Agriculture.

THE DEGREE OF MASTER OF SCIENCE IN AGRICULTURE

(Refer also to the Statute and general rules for the degree of Master)

Ag.35 A person shall not be admitted as a candidate for the degree unless he holds the degree of Bachelor of Science in Agriculture (Honours) of the University or has been admitted to the status thereof, and has satisfied the Senate as to his qualifications in the subject of his proposed course of study.

Ag.36 The degree may be obtained in any one of the subjects in which the honours degree can be obtained.

Ag.37 A candidate shall submit a dissertation and in addition may be required to present himself for such examination as is determined by the Senate on the recommendation of the Board of the Faculty of Agriculture.

Ag.38 The minimum pass mark for the degree shall be:

- (a) 50% for the dissertation; or
- (b) 50% for the dissertation and an average of 50% for the examination.

Ag.39 The degree may be conferred *cum laude* on a candidate who obtains a mark of not less than 75% for:

- (a) the dissertation, where no examination is written; or
- (b) the dissertation and examination combined, where an examination is written.

THE DEGREE OF DOCTOR OF SCIENCE IN AGRICULTURE

(Refer also to the Statute and general rules for the degree of doctor)

Ag.40 A candidate for the degree shall be required to pursue an approved course of study and research on some subject connected with agricultural science.

PART-TIME DIPLOMA IN AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT

General Information

The objective of the course is to equip senior and middle level extension and rural development staff with knowledge and skills which will enable them to carry out their role in Rural Development more efficiently and effectively.

The course is designed to meet the present day problems, needs and interests of candidates working in the various broad fields of agricultural extension and rural development. It includes supervised preparation of assignments and practical work.

The course has been evaluated by the Human Sciences Research Council as Senior Certificate plus two years University Diploma Studies.

Admission

Ag.41 A person shall not be admitted as a candidate for the diploma in Agricultural Extension and Rural Development unless:

- (i) he has passed the School-leaving Certificate or equivalent examination in any combination of subject, and has had at least two years' relevant experience approved by the University;
or
- (ii) he has a minimum educational qualification of Std 8 plus a 2 year Agricultural College diploma together with at least five years experience in agricultural extension and/or a rural development work, and his ability and potential is such that Senate on the recommendation of the Head of the Department considers there are special circumstances where his qualifications may be deemed to be equivalent to (i).

Attendance

Ag.42 Students are required to attend lecture sessions normally covering two periods of two weeks per annum during the two year period of the course. Attendance at these sessions will be obligatory. Lecture sessions are normally in October and March, so as not to interfere too much with the summer cropping season.

Examinations

Ag.43 In order to complete a course, a student must obtain a final total mark of at least 50% which is constituted as follows:

Average of all monthly assignments	25%
Three written papers of three hours each (two tests and one final examination)	25%
A dissertation and an oral examination	50%

Curriculum

Ag.44 The curriculum will include the following:

- (i) All the Extension courses except X 3022 required for the degree of Bachelor of Agriculture as listed in Ag.16.
- (ii) Monthly assignments for the duration of the course as directed by the Head of the Department.
- (iii) A dissertation of approximately 12 000 words. The topic should be chosen in collaboration with the Director-General of the Agriculture Department of the country of the students origin and the Head of the Department in a field in which he has experience and should be related to his current work.

FACULTY OF AGRICULTURE: LIST OF SEMESTER COURSES

No.	Title	Pre-req. or Co-req.	Units
Department: Agricultural Economics			
E 1001	Introduction to Agricultural Economics	—	4 + ½
E 1012	Marketing of Agricultural Products	—	3 + ½
E 2001	Agricultural Micro-economics	Econ I or E 1001	4 + 1
E 2012	Farm Management	E 1001 or E 2001	3 + 1
E 2022	Farm Accounting	Co-req E 2012	2 + 1
E 3001	Advanced Farm Business Management	E 2012	3 + 1
E 3011	Agricultural Market Analysis	E 1012 or co-req Bus.Econ II	3 + ½
E 3022	Agricultural Development Planning	Econ II or E 2001	3 + ½
E 3902	Seminar	F 2002 co-req E 3022	2 + 0
E 4003	Analytical Techniques in Agricultural Economics	E 3001/ Stats. I	5 + 1
E 4013	Agricultural Policy	E 3022 or Econ. II or Dev. Econ I	3 + ½
E 4803	Project	co-req E 4003	1 + 2
E 4903	Seminars	E 3902	2 + 0
Department of Agricultural Engineering			
N 1002	Introduction to Agricultural Engineering	F 1011 or Matric Maths	5 + 1
N 2011	Farm Buildings	—	3 + ½
N 3001	Hydraulics	Phys. IA	5 + 1
N 3012	Soil and Water Engineering	N 3001	5 + 1
N 3023	Introduction to Farm Machinery	N 1002	5 + 1
N 3033	Practical Eng. Surveying	Surv I	0 + 2
N 4001	Irrigation and Drainage Engineering	N 3001	5 + 1
N 4012	Soil Conservation Engineering	N 3012	5 + 1
N 4903	Seminar	F 2002	2 + 0

No.	Title	Pre-req. or Co-req.	Units
Department: Agricultural Extension and Rural Development			
X 2002	Introduction to Agric. Extension	Agric. Biol	3 + 0
* X 3002	Agricultural Extension and Human Development	X 2002 and X 3022 X 3012	5 + 1
* X 3012	Applied Extension and Human Development	X 2002 X 3022 and X 3002	5 + 1
* X 3022	Seminars	X 2002 X 3002 and X 3022	2 + 0
Department: Agronomy			
<i>Sub-department: Crop Science</i>			
C 1011	Elements of Agro-Meteorology	—	2 + 1
C 1021	Water Relations	—	2 + 1
C 1032	Introduction to Crop Science		5 + 1
C 2012	Elementary Irrigation	C 1011	2 + ½
C 2001	Elements of Crop Production	C 1032	6 + 1
C 3001	Advanced Crop Science	C 2001	4 + 1
C 3012	Principles of Irrigation	C 1032 and C 1021	5 + 1
C 4002	Special Topics in Crop Science	C 3001	2 + ½
C 4901	Seminar	—	2 + 0
C 4902	Seminar	—	2 + 0
<i>Sub-department: Pasture Science</i>			
P 1022	Pasture Ecology	Botany I or Agric. Biol	4 + 1
P 1011	Introduction to Pasture Ecology	Botany I or Agric. Biol	3 + 1
P 2011	Pasture Management	P 1022 C 1011	4 + 1
P 2022	Fodder Production and Conservation	P 2011	3 + ½
P 2032	Veld Rehabilitation	P 1022	2 + ½
P 3011	Advanced Pasture Management	P 2011	4 + 1
P 2042	Veld and Cultivated Pasture Management	P 2011	4 + 1
P 3022	Special Topics in Pasture Science	P 2011	2 + ½
P 4903	Seminar	F 2002	2 + 0
<i>Sub-department: Horticultural Science</i>			
H 2001	Elements of Horticultural Science	C 1032	3 + ½
H 2011	Elements of Fruit and Vegetable Production	C 1032	3 + ½
H 2021	Post-Harvest Physiology and Technology	C 1032	3 + ½
H 3012	Temperate Fruits	H 2021/ H 2001	4 + 1
H 3001	Citrus Fruits	H 2021/ H 2001	4 + 1
H 3002	Vegetable Crops	H 2021/ H 2001	4 + 1
H 3022	Sub-tropical Fruits	H 2021/ H 2001	4 + 1
H 3000	Horticultural Project	H 2021/ H 2001	0 + 1
H 3000	Horticultural Project	H 2021/ H 2001	0 + 1

*To be taken simultaneously in the same semester.

No.	Title	Pre-req. or Co-req.	Units
H 4003	Special Topics in Horticultural Science	H 3002 and H 3012 or H 3001 or H 3022	2 + ½
H 3903	Seminar	H 2001 and H 2021 or H 2011	2 + 0
Department: Animal Science			
A 2011	Introduction to Animal Science	F 1001 Agric.Biol/ Chem. I	5 + 1
A 2022	Elementary Animal Nutrition	A 2011	4 + ½
A 3012	Principles of Animal Nutrition	A 2011 * V 2012	5 + 1
A 4042	Meat Science	A 2011 and V 2012	4 + ½
A 4021	Poultry Production	A 3012	3 + 1
A 3022	Animal Breeding	G 1001	3 + 1
A 4031	Dairy Science and Technology	M 1002	3 + 1
A 4011	Animal Production Systems	A 3012	6 + 1
A 4802	Project in Animal Science	A 3012 A 4011	0 + 2
A 4052	Special Topics in Animal Science	A 3012 A 4011	2 + ½ 5 + 1
A 4901	Seminar	F 2002	2 + 0
A 4902	Seminar	—	2 + 0
Sub-department: Animal Health			
V 2012	Anatomy and Physiology	Agric.Biol	5 + 1
V 3012	Elementary Animal Health	Agric.Biol	0 + 1
V 4011	Animal Health: Infectious Diseases	V 2012	5 + 1
V 3022	Animal Health: Non-Infectious Diseases	V 2012	5 + 1
Sub-department: Smallstock and Fibre Science			
Q 3011	Smallstock Science	A 2011	5 + 1
Q 4012	Smallstock Management	Q 3011	3 + ½
Q 4022	Fibre Science	Q 3011	2 + ½

No.	Title	Pre-req. or Co-req.	Units
Department of Genetics and Plant Protection			
<i>Sub-department: Genetics</i>			
G 1001	Introduction to Genetics	—	4 + 1
G 1012	Field Crop Improvement	—	3 + ½
G 2012	Plant Breeding	—	4 + 1
<i>Sub-department: Plant Protection</i>			
M 1002	Introduction to Microbiology	—	4 + 1
M 2012	Soil Microbiology	M 1002	3 + 1
M 2021	Plant Pest Control	M 1002	4 + 1
Department: Soil Science			
S 1011	Introduction to Soil Science	Chem. I/ F 1001	5 + 1
S 2011	Pedology	S 1011	3 + 1
S 2022	Plant Nutrition and Soil Fertility	S 1011	4 + ½
S 2032	Soil Taxonomy	S 1011	3 + ½
S 3011	Soil Chemistry	S 1011	4 + 1
S 3022	Soil Physics	S 1011	3 + 1
S 3032	Chemical Analysis of Soils, Plants and Waters	S 1011	1 + 2
S 3041	Soil Mineralogy	S 2011	2 + ½
S 3091	Seminar	—	2 + 0
S 3092	Seminar	—	2 + 0
Additional Courses			
F 1001	Agricultural Chemistry	—	5 + 1
F 1011	Introduction to Scientific Concepts	—	2 + 1
F 2002	Introductory Seminar	—	2 + 0
* F 3011	Land Use Planning	S 2011	4 + 1
		C 2001	
		S 2022	
		C 3012	
F 4012	Project in Land Use Planning	F 3011	1 + 2
F 3022	Project in Applied Land Use Planning	F 3031 and F 3011	0+2½
F 3031	Applied Land Use Planning	(co-req.) F 3011	3 + 0
		E 2012	
B 1002	Introduction to Biometry	—	5 + 1
B 2011	Agricultural Biometry	B 1002	4 + 1
B 2022	Applied Agricultural Biometry	B 2011	4 + 1
F 1021	General Biochemistry	Chem. I	6 + 1

*See also Note on Page Agr.24.

Syllabi

AGRICULTURAL ECONOMICS

E 1001 Introduction to Agricultural Economics (4 + ½)

Introduction to economic concepts. Production factors. The functions of the economy. The role of prices and money in the economy. Structure of the economy. Agriculture in the economy.

Introduction to agricultural production economic theory. The production function, cost functions, input and output optimization.

Practical Work

Exercises in determining agriculture's contribution to the economy. Total, average and marginal product curves. Determining maximum profit input and output levels.

(Four lectures, one tutorial and one half a practical class per week)

(Prerequisites:—)

E 1012 Marketing of Agricultural Products (3 + ½)

The marketing problem. Analysing agricultural markets. Agricultural production characteristics and marketing. Food consumption and marketing. Agricultural price formation and price discovery. Cost of marketing. Marketing institutions and the Marketing Act. Co-operatives. Marketing and agricultural development.

Practical Work

Demand and supply curves. Price formation with changes in demand and supply. Case studies in marketing agricultural products.

(Three lectures, one tutorial and half a practical class per week)

(Prerequisites:—)

E 2001 Agricultural Micro-Economics (4 + 1)

The farm and agricultural production in the economy. The agricultural production function. Examples of factor-product functions. Costs of production in agriculture. Factor relationships in agriculture and optimum input combinations. Production of several products. Production relationships and farm decision-making. Linear production theory and its application in agriculture. Factor limits and optimization. Farm adjustments in a changing economy.

Practical Work

Graphical analysis of production functions. Maximum profit determination. Least-cost input and optimum product combinations. Linear optimization problems.

(Four lectures, one tutorial and one practical class per week)

(Prerequisites: Economics I or E 1001)

E 2012 Farm Management (3 + 1)

The decision making process. Economic principles and farm management; Farm records. Analysis of farm records. Risk and uncertainty. Improving the farm business. Economic surveys.

Practical Work

Keeping and analysis of physical records for different production factors and enterprises. Enterprise records by way of gross margins. Partial budgeting. Complete budgeting. Risk and uncertainty problem and how it affects the farm business. Economic surveys: planning and analysis.

(Three lectures, one tutorial and one practical class per week)

(Prerequisites: E 1001 or E 2001)

E 2022 Farm Accounting (2 + 1)

Money in the accounting systems of farm businesses. Concepts of income and expenditure. Cash book analysis. Farm enterprise accounts. Fixed and variable costs. Efficiency measures, i.e. gross margins and turnover/statements.

Practical Work

Problems relating to farm accounting.

(Two lectures and one practical class per week)

(Co-requisite: E 2012)

E 3001 Advanced Farm Business Management (3 + 1)

Deriving an economic optimum farm plan using programme planning. Linear programming applied to farm decision-making. Applications of micro-computers to farm business management. Farm resource management. Agricultural work study.

Practical Work

Exercises in estimating economic optimum production levels with actual data. Solving linear programming problems using the simplex method. Case studies in resource management.

(Three lectures, one tutorial and one practical class per week)

(Prerequisites: E 2012)

E 3011 Agricultural Market Analysis (3 + ½)

The agricultural marketing system. Agricultural product and input markets. Estimation of agricultural demand and supply functions; and their analytical uses. Market prices and price variations. Markets over space and time and quality. Market structure analysis. Government intervention and price policy. Marketing schemes. Marketing boards. Co-operatives: development and role in product and input markets. Co-operatives in economic development.

Practical Work

Analysis of prices of agricultural products. Case studies of marketing boards and agricultural co-operatives. Visits to local co-operatives. Group discussion on co-operative concepts.

(Three lectures, one tutorial and a half practical class per week)

(Prerequisites: E 2012 or Co-requisite: Business Economics II)

E 3022 Agricultural Development Planning (3 + ½)

Introduction: Agriculture in developing countries; the role of agriculture in the development process; the objectives of development policy.

The inventory: a basis for planning: Inventory of social aspects; inventory of economic aspects.

Agricultural development planning: Economic aspects: social aspects. Project selection and evaluation.

The administration of agricultural development: Planning, budgeting, organization and implementation of Agricultural development plans.

(Three lectures, one tutorial and a half practical class per week)

(Prerequisites: Economics II or E 2001)

E 3902 Seminar (2 + 0)

Each student shall prepare and present one written paper on a selected subject.

(Two lecture periods per week)

No year mark required

(Prerequisite: F 2002)

(Co-requisite: E 3022)

E 4003 Analytical Techniques in Agricultural Economics (5 + 1)

Agricultural sampling and surveys: sampling techniques; questionnaire design and testing; conducting interviews; data analysis; report writing.

Production functions: forms of production functions; economic applications; problems relating to estimation.

Linear programming: matrix construction for intermediate farm products; variable resource restrictions; variable prices; time problems.

Application of economic techniques: demand and supply of food; demand for farm labour; cross-section and time-series analysis of agricultural statistics.

Systems analysis and simulation: a brief survey of applications in agricultural and resource economics.

Practical Work

Design and testing of questionnaire. Curve fitting to production data. Exercise in setting up a farm optimization linear programming problem for computer solution. Examples of cross-section or time-series analysis applications.

(Five lectures, one tutorial and one practical class per week)

(Prerequisites: E 3001, Statistics I)

E 4013 Agricultural Policy (3 + ½)

Background to the economics of agricultural policy. Problems of the agricultural industry. Historical price movements. The nature and characteristics of food demand and supply functions. Problems of agricultural policy. Economic welfare and policy. Social cost-benefit analysis. Agricultural trade policy, price policies, structural policies, marketing policies. Food supplies and world population. Agricultural policy in developing countries. Strategies of agricultural development. The instruments of agricultural modernization.

Practical Work

Examination of case studies in agricultural policy. Discussion of current issues in agricultural policy and application of principles.

(Three lectures, one tutorial and a half practical class per week)

(Prerequisites: E 3022 or Economics II or Development Economics I)

E 4803 Project (1 + 2)

A project of limited scope to give the student experience in the handling and presentation of data.

(One lecture and two practical classes per week)

No year mark required

(Prerequisites: E 4003)

E 4903 Seminars (2 + 0)

Each student shall prepare and present two written papers on selected subjects.

(Two lecture periods per week)

No year mark required

(Prerequisites: E 3902)

AGRICULTURAL ECONOMICS HONOURS (E 7000)

The course assessment comprises three written papers, a project and two seminars.

Paper A

A research project of limited scope of about 12 000 words to be written during the year on a topic selected by the candidate and approved by the Head of Department by 15 March, 3 type-script copies of which are to be handed in by 1 October.

Paper B

Two seminars to be written and presented during the year on approved topics.

Three Additional Papers

A choice, subject to approval by the Head of Department, of three of the following papers

Paper C Methods of agricultural economics research

Paper D Agricultural production theory and farm business management

Paper E Agricultural marketing, prices and policy

Paper F Economics of agricultural development and project appraisal

Paper G Agricultural resource economics

Paper H A special topic in agricultural economic history

Paper I An approved paper in Economics Honours

Paper J Any other paper approved by the Head of Department

All optional papers will not necessarily be offered in any particular year; intending students should consult the Head of Department.

AGRICULTURAL ENGINEERING**N 1002 Introduction to Agricultural Engineering (5 + 1)**

Exposition of the field of Agricultural Engineering,

Elementary building technology; Foundations, floors, walls, roofing structures, concrete; erection of fencing;

Maps and map reading;

Evaluation of the potential use of farm water resources;

Methods for measuring flow of water in pipes and canals;

Pumping of water with windmills;

Basic components of tractors, basics for the operation and maintenance of farm machinery.

Elementary measuring and levelling techniques.

Practical Work

Making of concrete and determining quantities of materials;
 Map reading;
 Calculation of MAR and potential use of farm water resources;
 Measuring of flow in canals;
 Demonstration of and maintenance on farm machinery
 Measuring and levelling.

(Prerequisites: 30% in F 1011 or Matric. Maths)

N 2011 Farm Buildings (3 + ½)

Building materials; Building Elements; The Planning, layout and construction of Farm Buildings and Animal Production facilities.

Practical Work

Setting-out of buildings and on site discussion of animal production facilities.

(Three lecture periods plus one practical class every second week)

(Pre-requisite: —)

N 3001 Hydraulics (5 + 1)

Properties of water; Hydrostatic pressure; Basic concepts of the flow of water; Orifice flow; Pipe flow; Channel flow; Flow over weirs; Measurement of flow; Scouring and non-scouring velocities.

Practical Work

Calculation of pressure on surface areas; Use of manometers and pressure gauges; Flow gauging; Design of pipe lines and canals; Spillways.

(Five lecture periods and one practical class per week)

(Pre-requisite: Physics IA)

N 3012 Soil and Water Engineering (5 + 1)

Hydrological cycle; Average depth of precipitation over an area; Interception; Evaporation; Evapotranspiration; Soil moisture; Ground water; Mechanics of overland runoff; Mean annual runoff; Flood peaks; Mechanical properties of soil.

Practical Work

The use of maps and aerial photographs; Determining areas of catchments; Average precipitation over an area; Calculating of mean annual runoff and peak floods.

(Five lecture periods and one practical class per week)

(Pre-requisite: N 3001)

N 3023 Introduction to Farm Machinery (5 + 1)

Gear trains and belt drives; Types of engines; Components and operating principles of engines; Types of tractors and their components; Maintenance and operation of the following machines.

Tillage implements, Planter and fertilizer equipment, Hay making implements. Harvesting implements, Water pumps, Milking equipment, Electric motors; Solar energy for water heating.

Practical Work

Dismantling and re-assembling of small engines. Tractor servicing and operation; The adjusting of agricultural implements.

(Five lecture periods and one practical class per week)

(Pre-requisite: N 1002)

N 3033 Practical Engineering Surveying (0 + 2)

The student is to complete 2 projects with a surveying level and two projects with a tachometer.

Each project will entail the planning of the survey, setting out of instrument stations and bench marks, the survey, balancing of the field book, plotting the survey, and the drawing of a contour plan.

(Pre-requisite: Surveying I)

N 4001 Irrigation and Drainage Engineering (5 + 1)

Landgrading and field layout; Water application methods and irrigation equipment; Common problems in irrigation and the improvement of efficiency; Drainage methods.

Practical Work

On site inspection and operation and testing of irrigation equipment.

(Five lecture periods plus one practical class per week)

(Pre-requisite: N 3001)

N 4012 Soil Conservation Engineering (5 + 1)

Erosion; Thalweg theory; Conservation methods; Design of reclamation structures; Design of stockwatering systems.

Practical Work

Survey of Thalweg; On site inspection of reclamation structures; Survey and design of reclamation structures and stockwatering schemes.

(Five lecture periods and one practical class per week)

(Pre-requisite: N 3012)

N 4903 Seminar (2 + 0)

Each student shall prepare and present two written papers; one on irrigation and one on Soil Conservation.

(Pre-requisite: F 2002)

(No semester marks required)

AGRICULTURAL EXTENSION**X 2002 Introduction to Agricultural Extension (3 + 0)****Part (a) Communication**

Communication, its objectives and an analysis of the process, extension teaching methods — classification, effectiveness and analysis of the different

methods. Choice of topic and the level of audience, prepared and unprepared speech; introduction to language writing; meaning and scope of technical writing and reporting; style and presentation.
(One lecture per week).

Part (b) Principles of Extension and Adult Education

The objectives, principles and philosophy of extension and rural development. The agricultural extension service — operation, functions and role in agricultural and rural development with particular reference to the Independent and National States of Southern Africa. Historical background of the development of extension services and present organizational structure, scope of work, long and short term objectives and problems in relation to the basic principles and philosophy of extension education, the duties and responsibilities of extension educators.

The meaning, scope and importance of adult education in Southern Africa; planning adult education; the adult learner; some principles of promoting effective learning; methods and techniques of teaching adults effectively.

(Two lectures per week).

(Pre-requisite: Agric. Biology).

X 3002 Agricultural Extension and Human Development (5 + 1)

(Co-requisite X 3012 and X 3022)

Part (a) Introduction to aspects of Rural Sociology and Cultural Anthropology (Previously EX 222)

Analysis of human society and the individual as a member of the family, the community and other social systems. Rural Sociology and cultural anthropology and its importance. The farmer in his social environment; cultural patterns as a basis for social behaviour and change, group relations; kinds of groups and their importance; social structure and its implications for social change; kinship structures; power and community decision making process; migration and urbanisation and its affect on rural communities; adult learning; local and world religions; characteristics of peasant societies; attitudes and attitude change.

(Two lectures per week).

Part (b) Extension Education, Teaching Methods and evaluation (Previously EX 232)

The adoption and diffusion of improved farming practices; the theory and use of mass media; group media; interpersonal communication; production and use of audio visual aids; public speaking; conducting meetings; demonstrations and farmers days. Evaluation of extension methods.

Practical Work

Individual counselling — use and preparation of audio-visual media — public speaking.

(Two lectures and ½ practical).

Part (c) Group dynamics and Leadership (Previously EX 242)

Analysis of human groups and group processes as part of society and as a social process. Group formation and function in society and cultural change. Leadership development and role in agricultural and rural development; identification of leaders;

Practical Work

Dismantling and re-assembling of small engines. Tractor servicing and operation; The adjusting of agricultural implements.

(Five lecture periods and one practical class per week)

(Pre-requisite: N 1002)

N 3033 Practical Engineering Surveying (0 + 2)

The student is to complete 2 projects with a surveying level and two projects with a tachometer.

Each project will entail the planning of the survey, setting out of instrument stations and bench marks, the survey, balancing of the field book, plotting the survey, and the drawing of a contour plan.

(Pre-requisite: Surveying I)

N 4001 Irrigation and Drainage Engineering (5 + 1)

Landgrading and field layout; Water application methods and irrigation equipment; Common problems in irrigation and the improvement of efficiency; Drainage methods.

Practical Work

On site inspection and operation and testing of irrigation equipment.

(Five lecture periods plus one practical class per week)

(Pre-requisite: N 3001)

N 4012 Soil Conservation Engineering (5 + 1)

Erosion; Thalweg theory; Conservation methods; Design of reclamation structures; Design of stockwatering systems.

Practical Work

Survey of Thalweg; On site inspection of reclamation structures; Survey and design of reclamation structures and stockwatering schemes,

(Five lecture periods and one practical class per week)

(Pre-requisite: N 3012)

N 4903 Seminar (2 + 0)

Each student shall prepare and present two written papers; one on irrigation and one on Soil Conservation.

(Pre-requisite: F 2002)

(No semester marks required)

AGRICULTURAL EXTENSION**X 2002 Introduction to Agricultural Extension (3 + 0)****Part (a) Communication**

Communication, its objectives and an analysis of the process, extension teaching methods — classification, effectiveness and analysis of the different

methods. Choice of topic and the level of audience, prepared and unprepared speech; introduction to language writing; meaning and scope of technical writing and reporting; style and presentation.
(One lecture per week).

Part (b) Principles of Extension and Adult Education

The objectives, principles and philosophy of extension and rural development. The agricultural extension service — operation, functions and role in agricultural and rural development with particular reference to the Independent and National States of Southern Africa. Historical background of the development of extension services and present organizational structure, scope of work, long and short term objectives and problems in relation to the basic principles and philosophy of extension education, the duties and responsibilities of extension educators.

The meaning, scope and importance of adult education in Southern Africa; planning adult education; the adult learner; some principles of promoting effective learning; methods and techniques of teaching adults effectively.

(Two lectures per week).

(Pre-requisite: Agric. Biology).

X 3002 Agricultural Extension and Human Development (5 + 1)

(Co-requisite X 3012 and X 3022)

Part (a) Introduction to aspects of Rural Sociology and Cultural Anthropology (Previously EX 222)

Analysis of human society and the individual as a member of the family, the community and other social systems. Rural Sociology and cultural anthropology and its importance. The farmer in his social environment; cultural patterns as a basis for social behaviour and change, group relations; kinds of groups and their importance; social structure and its implications for social change; kinship structures; power and community decision making process; migration and urbanisation and its affect on rural communities; adult learning; local and world religions; characteristics of peasant societies; attitudes and attitude change.

(Two lectures per week).

Part (b) Extension Education, Teaching Methods and evaluation (Previously EX 232)

The adoption and diffusion of improved farming practices; the theory and use of mass media; group media; interpersonal communication; production and use of audio visual aids; public speaking; conducting meetings; demonstrations and farmers days. Evaluation of extension methods.

Practical Work

Individual counselling — use and preparation of audio-visual media — public speaking.

(Two lectures and ½ practical).

Part (c) Group dynamics and Leadership (Previously EX 242)

Analysis of human groups and group processes as part of society and as a social process. Group formation and function in society and cultural change. Leadership development and role in agricultural and rural development; identification of leaders;

role of groups and group leadership in formal and non-formal educational development.

Practical Work

Study of group dynamics — functioning and evaluation of groups.

(One lecture and ½ practical).

(Pre-requisite: X 2002).

X 3012 Applied Extension and Human Development (5 + 1)

(Co-requisites: X 3022 and X 3002)

Part (a) Extension and Rural Development Programming and Evaluation (Previously EX 302)

The need for extension and rural development plans; objectives and philosophy; planning and procedures in extension and rural development planning at National, Regional, District and area level.

Practical Work

Planning of an agricultural extension and rural development programme.

(Two lectures and 1 practical).

Part (b) Extension Research and Evaluation (Previously EX 312)

A general study of types of extension and education research. Principles of research design. Methods of data collection in agricultural extension, rural development and related fields. A detailed study of the research and evaluation process; evaluation and monitoring of development projects.

(Two lectures per week).

Part (c) Management of Agricultural Extension and Rural Development (Previously EX 322)

The management of agricultural extension and rural development organisations; setting organisational objectives; criteria for efficiency, organisational structures; job specifications; motivational theories; training.

(One lecture per week)

(Pre-requisite: X 2002)

X 3022 Seminars (2 + 0)

Students will be required to submit seminars on selected topics to be prepared in their own time.

(X 3002, X 3012 and X 3022 to be taken simultaneously in the same semester).

THE DEGREE OF BACHELOR OF AGRICULTURAL EXTENSION (HONOURS)

Paper A (written) (X 7010)

Aspects of applied sociology concerned with rural and agricultural life and social change in agriculture.

Aspects of applied psychology concerned with adolescents and adults; the theory and use of mass media and the aims and objectives of extension and rural development programmes; and a comparison of the organisation and management, aims and methods of agricultural extension in less developed countries.

The management of agricultural extension and rural development organisations; setting

organisational objectives; criteria for efficiency, organisational structures, job specifications, motivational theories, training.

Paper B (written) (X 7020)

The basis and philosophy of agricultural extension and rural development, a general study of the principle components.

Principles and methods of communication; the production and use of media in extension work; special problems in largely illiterate societies.

Principles, aims and objectives of agricultural extension and rural development. Planning of an extension or rural development programme.

Paper C (oral) (X 7030)

A general study of types of extension and education research. Principles of research design. Methods of data collection in agricultural extension, rural development and related fields. A detailed study of the research process in the candidates specific field of interest.

Paper D (Dissertation) (X 7040)

Candidates are required to present a dissertation on an approved topic in some aspect of agricultural extension or rural development. Candidates will be expected to provide evidence in the dissertation of their competence in the use of research techniques appropriate to the field of study. The dissertation should normally fall within the range of 12 000 to 25 000 words.

Paper E (X 7050)

Oral examination on dissertation.

Paper F (X 7060)

Seminars presented during the course year.

ANIMAL HEALTH

V 2012 Anatomy and Physiology (5 + 1)

The anatomy and physiology of farm animals supported by histology and embryology. Emphasis placed on normal development and function to provide a background for the Animal Health course.

Practical Work

Anatomy, Physiology and Histology of healthy organ systems.

(Five lecture periods and one practical class per week)

(Prerequisites: — Biol I/Zool I)

V 3012 Elementary Animal Health (0 + 1)

Practical calculations and services in connection with dips, worm drugs and vaccines; an understanding of applied animal health practices eg. dosing, injecting, castrating, blood sampling, etc.; the recognition and treatment of important livestock diseases and plant poisoning; understanding the meaning and importance of hygiene.

(Pre-requisite: A 2011).

V 3022 Animal Health: Non-infectious Diseases (5 + 1)

Clinical and pathological examination of farm animals. Some examples of the most important medical, surgical and gynaecological conditions of farm animals giving aetiology, course, treatment and prophylaxis.

Practical Work

Demonstration of clinical cases and elementary therapeutic principles.

(Five lecture periods and one practical class per week)

(Prerequisites: V 2012)

V 4011 Animal Health: Infectious Diseases (5 + 1)

The most important diseases of farm animals caused by specific agents, dealing with the biology of these agents, occurrence, symptoms produced in life and after death, treatment of animals suffering from these diseases, preventative measures and Government regulations concerning these diseases.

Practical Work

Demonstration of animals suffering from diseases caused by specific agents; diagnostic, therapeutic and preventative procedures.

(Five lecture periods and one practical class per week)

(Prerequisites: V 2012)

ANIMAL SCIENCE**A 2011 Introduction to Animal Science (5 + 1)**

Introduction to animal husbandry and livestock industry in South Africa; types and breeds of farm livestock; evolution, origin, characteristics and usefulness. Regionalisation of livestock production, nutritional aspect, maintenance, production energy and other requirements, roughage, sweet — and sourveld; fresh milk; beef, sheep, pig and poultry regionalisation. Terminology definitions used in describing animals. Environment and adaptability. Basic principles of animal production; reproduction, bone growth, development and growth, compensatory growth and milk secretion. Production and management practice of dairying, beef, pigs, horses, sheep and goats.

Practical Work

Cattle, pig and horse judging. Farm visits.

(Five lecture periods and one practical class per week)

(Prerequisites: — F 1001 or Agric. Biology or Zoology I or Chemistry I/IA)

A 2022 Elementary Animal Nutrition (4 + ½)

Introductory fundamentals of animal nutrition; the necessary nutrients and their general metabolism; an understanding of nutritive requirements for metabolic processes and productive functions, and of the nutritive values of relevant South African feeding stuffs. Theoretical aspects and computation of balanced rations for farm livestock.

Practical Work

Feed identification and usage; computation of balanced rations for individual animals; simple nutritional practices on the farm.

(Prerequisite: A 2011)

A 3012 Principles of Animal Nutrition (5 + 1)

Introductory fundamentals of animal nutrition; nutrients and their metabolism; the measurement of body requirements and feed values; nutritive requirements for body processes and productive functions; nutritional properties of miscellaneous South African feeding stuffs.

Practical Work

Feed orientation and evaluation; nutritional practice on the farm; organised visits to farms and institutions.

(Five lecture periods and one practical class per week)

(Prerequisites: A 2011 plus A 2022 or V 2012)

A 4042 Meat Science (4 + ½)

Production and consumption of meat. Structure of meat; histology; colour and chemistry. Quality requirements and standards with factors influencing quality; tenderness, colour, fat colour, hardness of fat, marbling, flavour, growth and carcass ratios. Carcass evaluation and dressing percentage. Treatment of meat and meat animals; meat as a human food; slaughter methods. Seedy cut in pork. Skinning and treatment of hides and skins.

Practical Work

Carcass cutting of cattle, sheep, and pigs; dissection, deboning and visits to abattoir.

(Four lecture periods and half a practical class per week)

(Prerequisites: A 2011 and V 2012)

A 4021 Poultry Production (3 + 1)

The poultry industry in South Africa and developing territories. The evolution and classification of breeds together with characteristics and utility value. Reproduction, and production of eggs and meat and the influences of environmental and genetic factors on production. Rearing systems and flock management and marketing of poultry products; Health considerations.

Practical Work

In laboratory and on poultry unit; organised tours.

(Three lecture periods and one practical class per week)

(Prerequisites: A 3012)

A 3022 Animal Breeding (3 + 1)

Breeding background: genotypic and phenotypic variation, heritability, and repeatability. Selection and selection techniques and factors affecting the efficiency of selection. Mating systems. Breeding plans for dairy and beef cattle and pigs and other species.

Practical Work

Calculations of breeding parameters and their application in practice.

(Two lecture periods and half a practical class per week)

(Prerequisites: G 1001)

A 4031 Dairy Science and Technology (3 + 1)

Historical survey and present position of the dairy industry. The composition of milk and dairy by-products and handling considerations. Dairy chemistry, microbiology, technology and production hygiene.

Practical Work

In laboratory and on farm; organised tours.

(Three lecture periods and half a practical class per week)

(Prerequisites: M 1002)

A 4011 Animal Production Systems (6 + 1)

Bovine and Pig Production Systems: Dairy, beef and pig industries + reproduction, rearing, general management (intensive and extensive schemes), nutritional, production and marketing considerations, and environmental influences. Applications in developing territories.

Work Animals: Training, management and handling of equines and oxen; role in agriculture with special emphasis on developing agriculture.

Practical Work

Related practical work on the University Farm; organised visits to selected local farms and institutions. Laboratory work.

(Six lecture periods and one practical class per week)

(Prerequisites: A 3012 and V 2012)

A 4802 Project in Animal Science (0 + 2)

The student is required to participate actively in a selected project involving animal production, the results of which are to be presented in the form of a scientific dissertation.

(Two practical classes per week)

(Prerequisites: A 4011)

No year mark required

A 4052 Special Topics in Animal Science (2 + ½)

A study of research papers on selected topics of animal science.

(Two lecture periods per week)

(Prerequisites: A 4011)

A 4901/A 4902 Seminar (2 + 0)

The student is required to prepare and present orally a seminar on a topic which must be preceded by a 200 level course in the subject concerned.

(Two lecture periods per week)

(Prerequisites: F 2002)

No year mark required

THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE (HONOURS)**Major in Animal Science****Animal Nutrition Syllabus**

The examination shall consist of papers, comprising three written papers, one oral, two seminars and two projects presented during the course of the year.

Both Seminar I and Project I will be presented and examined, together with an examination in the subject matter covered by Paper 1 presented below, at the end of the first semester. Paper 2 and Paper 3 subject matter will be examined during the course of either the November or February examination when both seminar 2 and project 2 will be submitted for examination purposes. An oral examination will also take place at this time.

Paper A: (written) (A 7013) Energy Metabolism and Energy needs

Energy metabolism and energy needs: Controlling of energy intake; digestion and intermediate metabolism of energy bearing end products; energy-expenditure; caloric methods

(direct and indirect); evaluation of feeds on energy basis, starch value, nutritive value index; efficiency of energy turnover; energy needs; and supply to farm stock in South Africa.

Paper B: (written) A 7023 Protein Metabolism & Protein, Mineral & Vitamin Needs

Protein metabolism and protein needs: Requirements; digestion and intermediate metabolism of N-bearing end products; amino acids and protein quality; NPN: protein supply in South Africa.

Mineral and vitamin needs and supply: Most important minerals in South Africa and interaction between some of them. Fat soluble and water-soluble vitamins in general.

Paper C: (written) A 7033 Feeding Practice (Practical Assessment)

Feeding practices in animal production: Milk cows, beef cattle; pigs; sheep and goats.

Paper D: A 7043 Seminar No. 1

Prescribed topic on basic nutrition with special reference to the Biochemistry of nutrition.

Paper E: A 7053 Seminar No. 2

Free choice topic on applied nutrition.

Paper F: A 7063 Project No. 1

Feeding trials utilising laboratory animals. These cover all recognised feed analyses techniques.

Paper G: A 7073 Project No. 2

Free choice topic on applied nutrition.

Paper H: A 7083 Oral Examination on Basic & Applied Nutrition

Embraces both basic and applied nutrition in general terms.

BIOCHEMISTRY

F 1021 General Biochemistry (6 + 1)

General introduction. Cellular structure and function. Physical Biochemistry; buffers, pH. Biochemistry of carbohydrates, lipids, nucleic acids, amino acids, peptides and proteins. Simple consideration of enzymes. Major routes of carbohydrate metabolism in plant and animals. Metabolism of N-compounds. Urea cycle. Metabolism of lipids. Biosynthesis of carbohydrates in animals and plants. Biosynthesis of nucleic acids and proteins. Biosynthesis of lipids. Plant biochemistry; photosynthesis, including the light and dark reactions. Plant hormones. Animal biochemistry; aspects of animal biochemistry including consideration of body fluids, organs and hormones.

Practical Work

Examination of the properties of chemical constituents of living organisms. Demonstration of metabolic experiments.

(Six lecture periods and one practical class per week)

(Prerequisites: Chem. I)

CROP SCIENCE

C 1011 Elements of Agricultural Meteorology (2 + 1)

Climatic surveys and their application in land Use Planning. Management practices for alleviating specific climatic limitations. The installation, operation and interpretation of data from the following meteorological equipment: rain gauge; max. and min. thermometer; wet

and dry bulb psychrometer; class A pan; Thermohygrograph. The compilation and interpretation of an elementary water budget for maize given Class A pan data, crop factors, water holding capacity of the soil, and depth of root penetration with time.

Practical Work

Operation and maintenance of meteorological equipment. Water budgeting. Elementary analysis of climate.

(2 Lecture periods and 1 practical class per week)

C 1021 Water relations (2 + 1)

The water factor in South African agriculture. National water resources. Measurement of soil moisture. Use of soil moisture. Evapotranspiration: Environmental and plant factors determining the rate of evapotranspiration. Transpiration ratio or relative water requirement: Factors affecting transpiration ratio. Water use efficiency. Effect of moisture deficit in plants: Effects on growth; effects on photosynthesis; respiration; successive wetting and drying cycles; mineral nutrition. Water budgeting.

(Two lecture periods and one practical class per week)

(Prerequisite or co-requisite C 1011)

C 1032 Introduction to Crop Science (5 + 1)

Human nutrition: Population growth and world food supply; components of nutrition; food chains; deficiency states and nutritional disorders in the rural African; the role of the agriculturist in the alleviation of nutritional deficiencies. Origin, classification and nomenclature of economic plants. Classification of the Gramineae. Morphology: Structure of economic plants in relation to management practices. Growth and development: Interrelationships of growth processes; allometric growth; growth reactions in communities as opposed to plants growing in isolation; yield criterion in relation to crop management; growth and development of fruit and grasses. Reproduction and propagation: Seed propagation; viability; dormancy; seed technology; asexual propagation. Applied Plant Science: Optimal land use; principles of soil and water conservation; cropping system and practices involving ley cropping; tillage and weed control. Elements of horticulture involving selection of orchard site and pruning.

Practical Work

A study of the morphology of the gramineae and selected crops. Practice in contour farming. A study of pruning and propagation methods.

(Five lecture periods and one practical class per week)

(Prerequisites: 40% in C 1011)

C 2012 Elementary Irrigation (2 + ½)

Introduction: The importance of irrigation in South African agriculture; types of irrigation. The soil-plant-atmosphere system: The dynamic nature of the system; a study of the factors resulting in declining productivity of irrigable soils. Planning: The socio-economic and physical factors involved in planning irrigation schemes. Prediction of irrigation needs: Application of elementary criteria of climate, plant and soil in irrigation scheduling. Field application of water: Methods of irrigation; selection of surface and overhead systems. Drainage.

Practical Work

Practical methods of estimating plant water requirement and the irrigation potential of soils; planning and implementing systems of irrigation.

(Two lecture periods and half a practical class per week)

(Prerequisites: C 1001 – Co-requisites S 1011 for BPed, HSTD and BAgric)

C 2001 Elements of Crop Production (6 + 1)

Agronomy as an integrating science. The morphology, physiology and management practices of maize, sorghum, wheat, potatoes, sugar cane and pulses.

Practical Work

A study of the anatomy and ontogeny of crop plants; assesment of potential and target yield; heat budgeting; farm machinery in field crop production; elements of grain grading.

(Six lecture periods and one practical class per week)

(Prerequisites: C 1032)

C 3001 Advanced Crop Science (4 + 1)

The production of specialized crops: Morphology, physiology, quality and yield criterion in relation to the production of tobacco and fibre crops including a study of specialized cultural practices and processing. Ley Cropping: A study of the principles and practices of crop rotation. Crop Physiology: Crop physiological and ecological principles as a basis for the management of field crops.

Practical Work

A study of the morphology of the tobacco and cotton plants; elements of tobacco curing; elements of vegetable fibre technology. Exercises in comparative physiology and morphology of selected crops relative to crop production practice. Exercises in the integration of cropping sequences and the implementation of rotations.

(Four lecture periods and one practical class per week)

(Prerequisites: C 2001)

C 3012 Principles of Irrigation (5 + 1)

Introduction: Irrigated areas of the world; the productivity and value of irrigated land; importance and scope of irrigation in South Africa. The Soil-Plant-Atmosphere system: The dynamic nature of the system; interaction between climate, plant and soil factors; evapotranspiration and energy balance concepts; crop and soil factors; concepts related to the maintenance of long-term productivity; soil water availability; leaching requirements; brack formation; irrigation water quality. Planning: Social, economics and physical aspects involved in the selection of irrigable land; the assessment of physical factors; planning. Prediction of irrigation needs. Application of energy balance, empirical and physical methods; practical considerations in scheduling irrigation. Field application of water: Efficiency of irrigation; the design, implementation and efficiency assessment of surface and overhead systems. Drainage: The salt balance concept; designing a relief draining system.

Practical Work

Practical methods of estimating plant water requirement; measurement of water flow; water budgeting; field evaluation of efficiency of surface and overhead systems; assessment of infiltration capacity, irrigation potential of soils, water quality; planning an irrigation scheme.

(Five lecture periods and one practical class per week)

(Prerequisites: C 1032 and C 1021)

C 4002 Special Topics in Crop Science (2 + ½)

Experimental techniques: The field plot experiment with reference to selection of site, experimental material, plot size, sample number; the problem of what to measure, measurement of the living plant; division of the plant; harvesting; experimentation in controlled environments; pot experiments; biometry in agronomic research. Growth analysis: Quantitative analysis of plant growth; problems of mensuration; yield in relation to growth attributes. Research topics. A study of selected investigations into current agronomic problems with the object of acquiring a scientific approach and gaining insight into the pitfalls of agronomic research.

Practical Work

A study of current research on the university experimental farm; analysis of the factorial and split-plot experiments; the field laboratory concept and techniques employed in environmental research; biometrical evaluation of data on growth analysis.

(Time allotted equivalent to two lecture periods and one half practical class per week)

(Prerequisites: C 2001, B 1002)

C 4901/C 4902 Seminar (2 + 0)

The student is required to prepare and present orally a seminar on a topic which must be preceded by a 200 level course in the subject concerned.

(Time allotted equivalent to two lecture periods per week)

(Prerequisites: —)

No year mark required.

THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE (HONOURS)

Major in Crop Science

The examination shall consist of three written papers, one oral, at least two seminars and one project.

The written examination shall consist of three of the following papers to be determined by the Head of Department.

Paper A: (C 7003)

Plant Physiology 330 (Department of Plant Science) or alternative courses in related field.

Paper B: (C 7013)

Advanced topics in selected fields of crop physiology.

Paper C: (C 7023)

Selected courses in Biometry and/or computer science.

(Students without training in Biometry equivalent to B 2011 and B 2022 will be required to take the latter courses).

Paper D: (C 7033)

Advanced topics in selected fields of crop ecology.

Paper E: Project (C 7040)

A comprehensive report on research in a selected field of Crop Science.

Paper F: Oral Examination (C 7052)

An oral examination on the project.

Paper G: Seminars (C 7060)

At least two seminars.

GENETICS**G 1001 Introduction to Genetics (4 + 1)**

The cell theory of life. The general morphology of the cell. Review of sub-cellular components. Life cycles and cell division. Mendelian principles. Gene interaction. Sex linkage. Multiple allelism. Linkage and chromosome mapping. The central dogma of molecular biology. Changes in the genetic material.

Practical Work

Examination of prepared slides. Controlled crosses in *Drosophila melanogaster*.

(Four lecture periods and one practical class per week)

(Prerequisites:—)

G 1012 Field Crop Improvement (3 + ½)

Origin of important cultivated crops, and the role of genetic selection in their development. Objectives of field crop improvement. Techniques employed in genetic manipulation of field crops.

Practical Work

Genetic markers used in plant breeding. Methods of self- and cross pollination. Selection of desirable plants in the field. Use of chemicals for genetic manipulation of crops.

G 2012 Plant Breeding (3 + 1)

Nature and aims of plant breeding and genetic resource conservation. Evolution and cultivated species. Reproductive systems and plant breeding methods. The genetic basis of breeding self-pollinated crops and associated practical techniques. Genetic basis of breeding cross-pollinated crops and associated practical techniques. Breeding for disease resistance. Breeding within the framework of specific management levels. Polyploidy. Hybridization. Mutation Breeding.

Practical Work

Practical experience with techniques employed in the breeding of self-pollinated field crop plants. Experimental crosses with tomatoes, maize, beans.

(Three lecture periods and one practical class per week)

(Prerequisites: G 1001 and B 1002)

BACHELOR OF SCIENCE IN AGRICULTURE HONOURS**Genetics Major**

Not offered at this stage

HORTICULTURAL SCIENCE**H 2001 Elements of Horticultural Science (3 + ½)**

A brief survey of the horticultural industry in Southern Africa. Plant nomenclature, horticultural terminology and classification of horticultural crops. Climate as a factor in horticultural crop production; hail and frost protection, windbreaks for fruit orchards. Principles of horticultural crop management, including soil and site selection, orchard layout, spacing, irrigation, fertilization, cover cropping, mulching and weed control. Plant propagation with special reference to the principles and practices of asexual propagation. Introduction to plant growth and development; natural and synthetic growth substances; juvenility and senescence; flowering and flower physiology; fruit set and fruit development.

Practical Work

Orchard layout and management practices. Asexual propagation techniques including mist propagation. Visits to commercial fruit orchards and packhouses.

(Three lecture periods and ½ a practical class per week)

(Prerequisite: C 1032)

H 2011 Elements of Fruit and Vegetable Production (3 + ½)

Introductory studies of the botany, ecology, cultivars, propagation and management of selected temperate, citrus, tropical and sub-tropical fruit crops. A brief study of vegetable production.

Practical Work

Orchard layout and management practices. Pruning and fruit thinning of deciduous fruit trees. Pruning and trellising of grape vines. Propagation of selected fruit crops. The planting, management and harvesting of vegetable crops. Identification and evaluation of fruit and vegetable cultivars. Visits to producers, packhouses and/or processing factories, and to the Pineapple Research Station and Municipal Fresh Produce Market, East London.

(Three lecture periods and ½ a practical class per week)

(Prerequisite: C 1032 — co-requisite H 2001 if both H 2001 and H 2011 are prescribed in a curriculum)

Note: This course should be taken in preference to H 2021 by those students who will not be taking more than two courses in Horticultural Science.

H 2021 Post Harvest Technology and Physiology (3 + ½)

An introduction to the physiology and handling of fruit and vegetables. Fruit growth and development with special attention paid to ripening, maturity standards, and quality. The principles and practices of fruit harvesting; handling, grading, and storage. Physiology of stored fruits and vegetables. Cold stores and packhouse equipment. The effect of pre-harvest conditions on the post-harvest quality and storage life of fruits.

Practical Work

The determination of maturity of fruits. Fruit quality evaluation. Visits to packhouses, cold stores, fruit and vegetable processing factories.

(Three lectures and ½ a practical class per week)

(Prerequisite: C 1032 — co-requisite H 2001)

H 3012 Temperate Fruits (4 + 1)

Studies of the economic importance, distribution, botany, growth, physiology, ecology, cultivars, propagation, management, marketing, and major pests and diseases of the more important temperate fruits, e.g. stone and pome fruits and table grapes. Particular attention to be paid to climatic requirements, principles and practices of pruning/training system; root-stocks.

Practical Work

Production practices including propagation, pruning, training, fruit thinning, harvesting, grading and packing. Identification and control of pests and diseases.

(Four lecture periods and one practical class per week)

(Prerequisites: H 2001 and H 2021)

H 3001 Citrus Fruits (4 + 1)

Studies of the economic importance, distribution, botany growth, physiology, ecology, cultivars, propagation, management, marketing, and major pests and diseases of citrus fruits, (oranges, grapefruit, lemons, mandarins). Particular attention to be paid to climatic requirements and distribution, cultivar characteristics, propagation and in particular nucellar embryony, fruit quality and factors affecting quality, packhouse management, disease and pest control.

Practical Work

Visits to citrus orchards and packhouses; packhouse management. Propagation of citrus. Citrus quality tests. Identification and control of citrus pests and diseases.

(Four lecture periods and one practical class per week)

(Prerequisites: H 2001 and H 2021)

H 3002 Vegetable Crops (4 + 1)

Brief survey of the vegetable industry in Southern Africa. Importance and food value of vegetable crops. Classification of vegetable crops. Types of vegetable growing. Climate and soil as factors in vegetable growing. Nutrient requirements of vegetable crops; application of fertilizers. Seeds, seed production, seed certification and testing. Seedbed preparation, sowing and transplanting. Management of vegetable crops. Marketing and storage, including the importance of quality. Vegetable processing. Economic importance, botany, nutritional value, production areas, climatic requirements and other selected aspects of the major vegetable crops.

Practical Work

Laboratory work, including seed quality and germination tests. Field work, including the raising of vegetable seedlings and management of the crop. Evaluation of cultivars and quality. Judging of vegetables. Visits to vegetable producers, processing factories and to the Municipal Fresh Produce Market, East London.

(Four lecture periods and one practical class per week)

(Prerequisite: H 2001)

H 3022 Sub-tropical Fruits (4 + 1)

Studies of the economic importance, distribution, botany, growth, physiology, ecology, cultivars, propagation, management, marketing, and major pests and diseases of the more

important tropical and sub-tropical fruit and nut crops, tea and coffee.

Practical Work

Field trips including possible visits to a pineapple farm and cannery, the Pineapple Research Station, and to tea and coffee plantations. Laboratory studies of eelworm infection in pineapples; control measures. Fruit and nut studies.

(Four lecture periods and one practical class per week)

(Prerequisites: H 2001 and H 2021)

H 3000 Horticultural Project (0 + 2)

Field work, in the form of a minor research project, aimed at giving the student practical experience with the production and scientific study of fruits or vegetables. A report to be submitted.

(Equivalent to one practical class per week per semester)

(Prerequisites: H 2001 and H 2021)

No year mark required

H 4003 Special Topics in Horticultural Science (2 + ½)

Special topics, mainly on fruit crops, designed to supplement previous courses and to provide a small degree of specialization in a desired direction.

(Lectures, assignments and practicals as necessary but equivalent to two lecture periods and half a practical class per week)

(Prerequisites or Corequisites: H 3002 and H 3012 or H 3001 or H 3022)

H 3903 Seminar (2 + 0)

A student is required to prepare and present orally a seminar on a given topic.

(Time allotted equivalent to two lecture periods per week)

(Prerequisites: H 2001 and H 2011 or H 2021)

No year mark required

THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE (HONOURS)

Major in Horticultural Science

H 7000 Project

A comprehensive written report on research by the student in a selected field of Horticultural Science. At the discretion of the Head of Department the student may be required to take an oral examination as well.

H 7010 Seminars

Two seminars to be written and presented during the year on approved topics.

H 7020 Written Examinations

A choice, subject to approval by the Head of Department, of three of the following papers:

Paper A: An approved Honours course or paper in Crop Science or Plant Science.

Paper B: Advanced studies in the field of the student's project;

Paper C: Advanced topics in selected fields of Horticultural Science.

Paper D: Selected topics in plant tissue culture.

Notes:

1. The Head of Department may require a student to do certain ancillary undergraduate courses (including B 2011 and B 2022 and/or selected courses in Computer Science) if deemed necessary.
2. In exceptional cases the Head of Department may prescribe or allow additional approved Honours courses or papers to be taken in lieu of the project (H 7000).
3. All options will not necessarily be offered in any particular year; prospective students should consult the Head of Department.

PLANT PROTECTION

M 1002 Introduction to Microbiology (4 + 1)

Definition, scope and importance of microbiology. History of microbiology. The eucaryotic and procaryotic protists. Classification of bacteria. Blue-green algae. Bacterial structure and function. Cultivation of bacteria. Bacterial metabolism. History of viruses. Tobacco mosaic virus. The bacteriophages. Animal viruses. Introduction to immunology. Blood and its components. Symbiosis. The rumen. Algae. Lichens. Mycorrhizae. Legumes and Rhizobia. Sterilization and Pasteurization.

Practical Work

Use of the microscope. Techniques of isolating, cultivating and examining bacteria. Respiration and fermentation. Plant virus diseases. Bacteriophages. Isolation of selected groups of Bacteria. Analysis of milk and water.

(Four lecture periods and one practical class per week)

(Prerequisites: —)

M 2012 Soil Microbiology (3 + 1)

Introduction to soil microbiology. The microbial flora of the soil. Rhizosphere and rhizoplane. Decomposition processes. Humus. The carbon cycle. Nitrification and denitrification. Nitrogen fixation. Sulphur cycle. Phosphorus cycle. Microbiology of the rhizosphere. The biological equilibrium in soil.

Practical Work

Techniques for the observation of soil microbes. The enumeration of the soil population. Quantitative examination of rhizosphere bacteria. Isolation of selected genera of soil bacteria and fungi.

(Three lecture periods and one practical class per week)

(Prerequisite: M 1002)

M 2021 Plant Pest Control (4 + 1)

Vegetative and reproductive cycles of crops and the types of pest/disease affecting the various stages. Effect of famines on mankind with reference to the Irish potato famine. Dis-