

FACULTY OF NATURAL SCIENCES DEPARTMENT: BIODIVERSITY AND CONSERVATION BIOLOGY

Programme		ECP Natural Science 3011, 3015, 3007, 3019, 3023, 3027, 3031, 3035, 3120		
Module Name:		Introduction to S	cience 153	
Module Code		ISC153		
Proposed Semester(s) to be offered	Both Semesters		
NQF Level Credits		30 credits		
Year level		1		
Breakdown Hours of Learning		Timetable require week	ements per	Teaching modes that does require timetable
time			Number of periods	
Contact with lecturer/tutor	104	Lectures p.w.	5	All Face-to-face
Tutorials		Tutorial p.w		
Practicals	84	Practicals p.w	3 consecutive periods = 1 practical	All Face-to-face
Assignments & tasks	56			Individual and group take home
Assessments	18			Sit down/take home
Self- study	38			Online – asynchronous
TOTAL Learning Time	300			•
Method of Student Assessment	Continuous Assessment (CA): 100%		Continuous A.	ssessment (CA): sit down/take
Assessment Module type	Continuous Assessi	Continuous Assessment (CA)		

Programme		ECP Natural Science 3015, 3007, 3027, 3035				
Module Name:		Life Science 151				
Module Code		LFS151				
Proposed Semester(s) to be offered		Both Semesters				
NQF Level Credits		15 credits				
Year level		Year 1				
Breakdown of Learning	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
time			Number of periods			
Contact with lecturer/tutor	96	Lectures p.w.	4	P1 to 4 – Face-to-face		
Tutorials	22	Tutorial p.w	1	P1 – Face-to-face		
Practicals	24	Practicals p.w	3	P1 - 3 – Face-to-face		
Assignments & tasks	20			Individual and group Take home and Excursion		
Assessments	12			Sit down and Online		
Self- study	126			Learning guides/lecture notes		
TOTAL Learning Time	300					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Online, and ta	ssessment (CA): Sit down, ake-home. ment (FA): Sit down.		
Assessment Module type	Continuous and Fina (CFA)	al Assessment				

Programme		ECP Natural Science 3015, 3007, 3019, 3027			
Module Name:		Life Science 152 LFS152			
Module Code					
Proposed Semester(s) to be offered		Both Semesters			
NQF Level Credits		15 credits			
Year level		1			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	96	Lectures p.w.	3	P1 to P3 – Face to face	
Tutorials	24	Tutorial p.w	1	P1 – Face to face	
Practicals	72	Practicals p.w	1	P1 – Face to face	
Assignments & tasks	35			Individual/groupOnline/take home	
Assessments	15			Sit down	
Self- study	82			 Learning guides and course readers online –asynchronous mode Study groups 	
TOTAL Learning	300				
Time					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		down/take ho	ussessment (CA): Online/Sit ome oment (FA): Sit down	
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

_			Service course presented to several faculties 3217, 3214, 3220, 3331, 3230		
Module Name:		Life Science 141			
Module Code		LSC141			
Proposed Semester	r(s) to be offered	Semester 1			
NQF Level Credits		15 credits			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi		Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	56	Lectures p.w.	3	3 (per lecture group) – face- to-face	
Tutorials	14	Tutorial p.w	1	1 (per tutorial group) – face- to-face	
Practicals	42	Practicals p.w	1	1 (per practical group) – face-to-face	
Assignments & tasks				IndividualSit down/take home	
Assessments	6			Sit down	
Self- study	32			Learning guides, textbook, ppt slides and course readers	
TOTAL Learning Time	150				
	T		_		
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous A home Final Assessr Sit down	ssessment (CA): Sit down/take ment (FA):	
Assessment Module type	Continuous and Fina (CFA)	Continuous and Final Assessment (CFA)			

_			Service course presented to several faculties 3217, 3214, 3220, 3331		
Module Name:		Life Science 142			
Module Code		LSC142			
Proposed Semester	Proposed Semester(s) to be offered				
NQF Level Credits		15 credits			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	56	Lectures p.w.	3	3 (per lecture group) – face- to-face	
Tutorials	14	Tutorial p.w	1	1 (per tutorial group) – face- to-face	
Practicals	42	Practicals p.w	1	1 (per practical group) – face-to-face	
Assignments & tasks				IndividualSit down/take home/online	
Assessments	6			Sit down/take home	
Self- study	46			Learning guides, textbook, ppt slides and course readers	
TOTAL Learning Time	150				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous A home/online Final Assessr Sit down/take		
Assessment Module type	Continuous and Fina (CFA)	al Assessment			

Programme 3217, 3015, 333		3217, 3015, 3331,	3027		
Module Name:		Plant Diversity 221 BDC221			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Level Credits		20 credits			
Year level		2			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that does require timetable	
une			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	3 (face-to-face)	
Tutorials	0	Tutorial p.w	0	0	
Practicals	84	Practicals p.w	6 (2 sessions; 3 periods each)	6 periods (face-to-face)	
Assignments & tasks	30			Individual/groupSit down/take home	
Assessments	14			Sit down	
Self- study	30			Learning guides and course readersInternet	
TOTAL Learning Time	200				
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Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online/Sit down/Take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

Programme Service cours		Service course to	Faculty of Education 4516		
Module Name:		Plant Diversity 231 BDC231			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Level Credits		20 credits			
Year level		2			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that does require timetable	
une			Number of periods		
Contact with lecturer/tutor	46	Lectures p.w.	3	3 (face-to-face)	
Tutorials	0	Tutorial p.w	0	0	
Practicals	80	Practicals p.w	6 (2 sessions; 3 periods each)	6 periods (face-to-face)	
Assignments & tasks	30			Individual/groupSit down/take home	
Assessments	14			Sit down	
Self- study	30			Learning guides and course readersInternet	
TOTAL Learning Time	200				
	I a	(0.1)		(21)	
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Online/Sit down/Take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

Programme		3217, 3015, 3331, 3027			
Module Name:		Population Biology and Evolution 222			
Module Code Proposed Semester(s) to be offered		BDC222			
		Semester 1			
NQF Level Credits		20 credits			
Year level		2			
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	36	Lectures p.w.	3	P1 to P3 – Face-to-face	
Tutorials	0	Tutorial p.w	0	0	
Practicals	72	Practicals p.w	2	P1 to P2 – Face-to-face	
			•		
Assignments & tasks	30			Individual/groupOnline/Sit down/take home	
Assessments	12			Online/Sit down/take home	
Self- study	50			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	200				
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Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Onl • Final	nuous Assessment (CA): ine/Sit down/take home Assessment (FA): e/Sit down/take home	
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

Programme 3217, 3015, 3331, 3		3027			
Module Name:		Animal Diversity 211			
Module Code Proposed Semester(s) to be offered		BDC211			
		Semester 2			
NQF Level Credits		20 credits			
Year level		2			
Breakdown of Learning time	Hours	Timetable required week	ments per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	36	Lectures p.w.	3	P1 and P2 face-to-face P3 online	
Tutorials	0	Tutorial p.w	0		
Practicals	72	Practicals p.w	2	P1 and P1 face-to-face	
Assignments & tasks	30			Individual and groupOnline, sit down, take home	
Assessments	12			Sit down and take home	
Self- study	50			Notes and videosOnline – asynchronous	
TOTAL Learning	200				
Time					
	·				
Method of Student	Continuous Assessm	, ,		ssessment (CA): Sit down and	
Assessment	Final Assessment (FA): 40%		take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

Programme		Service course to Faculty of Education 4516			
Module Name:		Animal Diversity 232 BDC232			
Module Code					
Proposed Semester(s) to be offered		Semester 2			
NQF Level Credits		20 credits			
Year level		2			
Breakdown of Learning time	Hours	Timetable required week	ments per	Teaching modes that does require timetable	
une			Number of periods		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 and P2 face-to-face P3 online	
Tutorials	0	Tutorial p.w	0		
Practicals	68	Practicals p.w	2	P1 and P1 face-to-face	
Assignments & tasks	30			Individual and groupOnline, sit down, take home	
Assessments	12			Sit down and take home	
Self- study	50			Notes and videosOnline – asynchronous	
TOTAL Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down and take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3217, 3015, 3331, 3027			
Module Name:		Animal and Plant Ecophysiology 223 BDC223			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		20 credits			
Year level		2			
Breakdown Hours of Learning		Timetable requirer week	ments per	Teaching modes that does require timetable	
time			Number of periods		
Contact with lecturer/tutor	39	Lectures p.w.	3	2 x Face-to-face periods 1 x Online period	
Tutorials	0	Tutorial p.w	0		
Practicals	70	Practicals p.w	2	All face to face	
Assignments & tasks	29			Online	
Assessments	12			Sit down/Online	
Self- study	50			Online	
TOTAL Learning	200				
Time					
Method of Student	Continuous Assess	nont (CA): 600/	Continuous	Jacobamant (CA): Online (Cit	
Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online/Sit down		
7.00001110111	1 IIIai 7000001110111 (1 7). 40 /0		Final Assessment (FA): Sit down		
Assessment	Continuous and Fina	al Assessment (CFA)			
Module type					

Programme		3217, 3015					
Module Name:		Land-use and Conservation 332/Living Landscapes 333 (teachout)					
Module Code		BDC332/ESS333	BDC332/ESS333 (teach-out)				
Proposed Semester	(s) to be offered	Semester 2					
NQF Credit Value		30 credits					
Year level		3					
Breakdown of Learning	Hours	Timetable require week	ements per	Teaching modes that does require timetable			
time			Number				
			of				
			periods				
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 to P2 - Face to Face P3 - Online			
Tutorials	0	Tutorial p.w	0				
Practicals	84	Practicals p.w	4	P1 to P4 – Face to face			
Assignments & tasks	48			Four preparatory assignments to help with Project and preparation of Academic Essay writing All Take-home			
Assessments	66			 Academic Essay Two Individual Term Projects (Mapping and Planning) Final Assessment Conservation Project 			
Self- study	60			 Research-based skills Computer-based skills development (G.I.S. & Interpretation) 			
TOTAL Learning Time	300						
Method of Student	Continuous Asse	essment (CA): 60%		Continuous Assessment (CA):			
Assessment	Final Assessmer			Take home			

				Final Assessment (FA): Take home
Assessment	Continuous and Fina	al Assessment (CFA)		
Module type				
Programme		3217, 3015		
Module Name:		Animal Behaviour	and Syste	matics 333
Module Code		BDC333		
Proposed Semester	(s) to be offered	Semester 1		
NQF Level Credits		30 credits		
Year level		3		
Breakdown of Learning time	Hours	Timetable requirer week	ments per	Teaching modes that does require timetable
			Number of periods	f
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 and P2 face-to-face P3 online
Tutorials	0	Tutorial p.w	0	
Practicals	84	Practicals p.w	2	P1 and P2 face-to-face
Assignments & tasks	60			Individual and groupOnline, sit down, take home
Assessments	14			Sit down and take home
Self- study	100			Notes and videosOnline – asynchronous
TOTAL Learning Time	300			
Madadaga	l October A	1 (01) 000/	0	
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down and take home Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Fina	Il Assessment (CFA)		

Programme		3217, 3015			
Module Name:		Biogeography and Global Ecology 334			
Module Code		BDC334			
Proposed Semester	(s) to be offered	Semester 2			
NQF Credit Value		30 credits			
Year level		3			
Breakdown of Learning	Hours	Timetable require	ments per week	Teaching modes that does	
time			Number of periods	require timetable	
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 – Face-to-Face P2 - Online	
Tutorials	0	Tutorial p.w	0		
Practicals	84	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	64			Individual/groupOnline/Sit down/take home	
Assessments	10			Sit down	
Self- study	100			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning	300				
Time					
Method of Student Assessment		Assessment (CA): 60% sment (FA): 40%		Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Sit down	
Assessment Module type	Continuous and	Final Assessment (CFA)			

Programme		3217, 3015			
Module Name:		Community and Ecosystem Ecology 335 BDC335			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Level Credits		30 credits			
Year level		3			
Breakdown of Learning time	Hours	Timetable require	ments per	Teaching modes that does require timetable	
unc			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	3 (face to face)	
Tutorials	0	Tutorial p.w	0	0	
Practicals	84	Practicals p.w	6 (2 sessions, 3 periods each)	6 (face to face)	
Assignments & tasks	64			Individual/groupSit down/take home	
Assessments	10			Sit down	
Self- study	100			Learning guides and course readersInternet	
TOTAL Learning Time	300				
Method of Student	Continuous Assesse	mont (CA): 600/	Continuous As	accoment (CA): Online/C:4	
Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

FACULTY OF NATURAL SCIENCES DEPARTMENT: BIODIVERSITY AND CONSERVATION BIOLOGY

Programme		BSc Hons (Biodiversity & Conservation Biology)3731			
Module Name:		Research Project 700			
Module Code		BCB700			
Proposed Semester	r(s) to be offered	Both Semesters			
NQF Level Credits		Level 8, 40 credi	its		
Year level		1			
Breakdown of Learning time	Hours	Timetable requirements	rements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	20	Lectures p.w.		No timetable requirements	
Tutorials	0	Tutorial p.w			
Practicals	230	Practicals p.w		No timetable requirements	
Assignments & tasks	0				
Assessments	0				
Self- study	100			No timetable requirements	
Other	50			No timetable requirements	
TOTAL Learning Time	400				
Method of Student Assessment					
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA): Online/Face to face		

Programme		BSc Hons (Biodiversity & Conservation Biology) 3731			
Module Name:		Systematics and Evolution 731			
Module Code		BCB731			
Proposed Semester(s) to be offered		Semester 2			
NQF Level Credits		Level 8, 20 cred	its		
Year level		1			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	40	Lectures p.w.	2	All Face-to-face	
Tutorials		Tutorial p.w	1		
Practicals	40	Practicals p.w		All Face-to-face	
			•		
Assignments & tasks	25			Online and face-to-face	
Assessments	25			Sit down	
Self- study	70			Course guide and internet	
TOTAL Learning Time	200				
Method of Student Assessment					
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA): Online/Face to face		

Programme		BSc Hons (Biodiversity & Conservation Biology) 3731			
Module Name:		Biodiversity Information Management 736 BCB736			
Module Code					
Proposed Semester(s) to be offered		Semester 2			
NQF Credit Value		Level 8, 20 credits			
Year level		1			
Breakdown	Hours	Timetable requirem	ents per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with lecturer/tutor	36	Lectures p.w.	8	P1 to P8 - Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	60	Practicals p.w	10	P1 to P10 – Face to Face	
Assignments & tasks	16			Two preparatory assignments Both Take-home	
Assessments	64			 Clast Test (Sit Down) Final Assessment Project (Take Home) 	
Self- study	24			 Research-based skills Computer-based skills development (G.I.S. & Interpretation) 	
TOTAL Learning Time	200				
Method of Student Assessment			•		
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA): Take home Final Assessment (FA): Take home		

Programme		BSc Hons (Biod	iversity & Conse	rvation Biology) 3731	
Module Name:		Marine Biology	738		
Module Code		BCB738			
Proposed Semester	(s) to be offered	Semester 2			
NQF Level Credits		Level 8, 20 cred	its		
Year level		1			
Breakdown of Learning time	Hours	Timetable requirement	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	20	Lectures p.w.	2	2 (face to face)	
Tutorials	0	Tutorial p.w	0	0	
Practicals	30	Practicals p.w	3 (1 session; 3 periods each)	3 periods (face to face/online)	
Assignments & tasks	90			IndividualFace to face/Take home/Online	
Assessments	0			0	
Self- study	60			 Learning guides and course readers Journal articles Prescribed/suggested texts Internet 	
TOTAL Learning	200				
Time					
Method of Student Assessment					
Assessment Module type	Continuous Assessi	ment (CA): 100%	Continuous As to face/Take h	ssessment (CA): Online/Face	

Programme		BSc Hons (Biodiversity & Conservation Biology) 3731			
Module Name:		Herpetology 739			
Module Code Proposed Semester(s) to be offered		BCB739			
		Second Semeste	er		
NQF Level Credits		Level 8, 20 credi	ts		
Year level		1			
Breakdown of Learning time	Hours	Timetable requir	rements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	30	Lectures p.w.	3	100% Face to face	
Tutorials	0	Tutorial p.w	0		
Practicals	80	Practicals p.w	1	100 % Face to face	
Assignments & tasks	65			Online	
Assessments	5			Sit down/Online	
Self- study	20			Online/ Take home	
TOTAL Learning Time	200				
Method of Student Assessment					
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA): Online/Sit down		

Programme		BSc Hons (Biodiversity & Conservation Biology) 3731			
Module Name:		Research Methods 742 BCB742			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		Level 8, 20 cred	its		
Year level		1			
Breakdown of Learning time	Hours	Timetable requirements	rements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	60	Lectures p.w.	4	100% Face to face	
Tutorials	0	Tutorial p.w	4	100% Face to face	
Practicals	10	Practicals p.w	4	100 % Face to face	
Assignments & tasks	40			Online	
Assessments	0			Sit down/Online	
Self- study	60			Online/ Take home	
Other	30				
TOTAL Learning Time	200				
Method of Student Assessment					
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA): Online/Sit down/Face to face		

Programme		BSc Hons (Biodiversity & Conservation Biology) 3731			
Module Name:		Quantitative Ecology 743			
Module Code Proposed Semester(s) to be offered		BCB743			
		Semester 2			
NQF Level Credits		Level 8, 20 cred	its		
Year level		1			
Breakdown of Learning	Hours	Timetable requi week	rements per	Teaching modes that does require timetable	
time			Number of periods		
Contact with lecturer/tutor	30	Lectures p.w.	8	All face-to-face Interactive computer sessions	
Tutorials	0	Tutorial p.w.			
Practicals	0	Practicals p.w.			
Assignments & tasks	50			In-lecture exercises and demonstrations	
Assessments	10			Data analysis and report writing	
Self- study	40			Revisit coding exercises and theory	
Analyses and reports	70			Integrative assignment: report writing and data analysis	
TOTAL Learning	200				
Time					
Method of Student					
Assessment					
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA) comprised of Assignments (70%) and an Integrative Assignment (30%) that tests computer skills, data analysis, and report writing. CA and Final Exam 0.6:0.4.		

Name of Programme		BSc Hons (Biodiversity & Conservation Biology) 3731			
Module Name:		Biostatistics 744			
Module Code		BCB744			
Proposed Semester	r(s) to be offered	Level 8, 20 cred	its		
NQF Level Credits		1			
Year level					
Breakdown of Learning	Hours	Timetable requi week	rements per	Teaching modes that does require timetable	
time			Number of periods		
Contact with lecturer/tutor	40	Lectures p.w.	10	All face-to-face Interactive computer sessions	
Tutorials	0	Tutorial p.w.			
Practicals	0	Practicals p.w.			
Assignments & tasks	60			In-lecture exercises and demonstrations	
Assessments	10			Data analysis and report writing	
Self- study	40			Revisit coding exercises and theory	
Analyses and reports	50			Integrative assignment: report writing and data analysis	
TOTAL Learning	200				
Time					
Mathada Court	1		<u> </u>		
Method of Student Assessment					
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA) comprised of Assignments (70%) and an Integrative Assignment (30%) that tests computer skills, data analysis, and report writing. CA and Final Exam 0.6:0.4.		

FACULTY OF NATURAL SCIENCES
DEPARTMENT: Biotechnology (based on 12 weeks and 45 mins lecture periods)

Programme		BSc (Biotechnology) (3211, 3007) BSc (Biodiversity and Conservation Biology) 3217, 3015) BSc (Chemical Sciences) (3220) BSc (Medical Bioscience) (3230, 3035)		
Module Name:	Module Name:		icroorganisms	
Module Code		BTN211		
Proposed Semester	(s) to be offered	Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does
of Learning time			Number of periods	require timetable
Contact with lecturer/tutor	27	Lectures p.w.	3	P1 – Face to Face P2 – Face to Face P3 – Face to Face
Tutorials	9	Tutorial p.w	1	P1 – Online
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face
Assignments & tasks	24			Individual/groupOnline and prac sit down
Assessments	24			Online and prac sit down
Self- study	62			 Learning guides and course readers online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment		Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Online and sit down
Assessment Module type	Continuous Asse	Continuous Assessment (CA)		

Programme Module Name:		BSc (Biotechnology) (3211, 3007) BSc (Chemical Sciences) (3220) BSc (Medical Bioscience) (3230, 3035)			
		Food Biotechnolog	у		
Module Code		BTN213			
Proposed Semester	r(s) to be offered	Semester 2			
NQF Credit Value		20			
Year level		Year 2			
Breakdown	Hours	Timetable requirem	ents per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with	27	Lectures p.w.	3	P1 – Face to Face	
lecturer/tutor				P2 – Face to Face	
				P3 – Face to Face	
Tutorials	9	Tutorial p.w	1	P1 – Online	
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face	
Assignments &	24			Individual/group	
tasks				Online and prac sit down	
Assessments	24			Online and prac sit down	
Self- study	62			 Learning guides and course readers online – asynchronous mode 	
TOTAL Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online and sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc (Dietetics) (8231)				
Module Name:		Introduction to Food Microbiology				
Module Code		BTN214				
Proposed Semester(s) to be offered		Semester 1				
NQF Credit Value		20				
Year level		Year 2				
Breakdown	Hours	Timetable requirer	nents per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	27	Lectures p.w.	3	P1 – Face to Face P2 – Face to Face P3 – Face to Face		
Tutorials	9	Tutorial p.w	1	P1 – Online		
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	24			Individual/groupOnline and prac sit down		
Assessments	24			Online and prac sit down		
Self- study	62			 Learning guides and course readers online – asynchronous mode 		
TOTAL Learning	200					
Time						
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			Continuous Assessment (CA): Online and sit down		
Assessment Module type	Continuous Assessment (CA)					

Programme		BSc (Biotechnology) (3211, 3007) BSc (Biodiversity and Conservation Biology) 3217, 3015) BSc (Chemical Sciences) (3019, 3220) BSc (Medical Bioscience) (3230, 3035)		
Module Name:	Module Name:		ds in Biotechno	ology
Module Code		BTN215		
Proposed Semester	(s) to be offered	Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown	Hours	Timetable requirem	ents per week	Teaching modes that does
of Learning time			Number of periods	require timetable
Contact with lecturer/tutor	27	Lectures p.w.	3	P1 – FtF / f2f tests P2 – FtF P3 – FtF / f2f consultations
Tutorials	18	Tutorial p.w	2	P1 – Face to face P2 – Face to face
Practicals	0	Practicals p.w	0	
	1		<u></u>	
Assignments	40			IndividualOnline and sit down
Assessments	40			Online and sit down
Self- study	75			 Learning guides and course readers online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Online and sit down	
Assessment Module type	Continuous Assessment (CA)			

Programme		BSc (Biodiversity and Conservation Biology) (3217, 3015) BSc (Complementary Health Sciences) (8104, 8106) BSc (Dietetics) (8231) BSc (Medical Bioscience) (3230, 3035) BSc (Sports and Exercise Science) (8051)		
Module Name:		Biomolecules		
Module Code		BTN216		
Proposed Semester	(s) to be offered	Semester 1		
NQF Credit Value		6		
Year level		Year 2		
Breakdown	Hours	Timetable requireme	ents per week	Teaching modes that does
of Learning time			Number of periods	require timetable
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Face to Face P2 - Online
Tutorials	12	Tutorial p.w	1	P1 - Face to Face P2 - Online
Practicals	72	Practicals p.w	6	P1 to P3 – Face to face
Assignments & tasks	12			Individual/group Online/take home
Assessments	26			Online/Sit down
Self- study	36			Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			Continuous Assessment (CA): Online/Sit down/take home
Assessment Module type	Continuous Assessment (CA)			

Programme BPharmacy (3305)						
Module Name:		Biomolecules				
Module Code		BTN217				
Proposed Semester	(s) to be offered	Semester 1				
NQF Credit Value		15				
Year level		Year 2				
Breakdown of Learning	Hours	Timetable requiren	nents per week	Teaching modes that does		
time			Number of periods	require timetable		
Contact with	27	Lectures p.w.	3	P1 – Face to Face		
lecturer/tutor				P2 – Face to Face		
				P3 – Face to Face		
Tutorials	9	Tutorial p.w	1	P1 – Online		
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	30			Individual/group Online and prac sit down		
Assessments	30			Online and prac sit down		
Self- study	0			 Learning guides and course readers online – asynchronous mode 		
TOTAL Learning	150					
Time						
Method of Student Assessment		Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Online and sit down		
Assessment Module type	Continuous Asse	essment (CA)				

Programme		BSc (Biotechnology) (3211, 3007)				
Module Name:		Plant and Agricultural Biotechnology BTN218				
Module Code						
Proposed Semester(s) to be offered		Semester 2	Semester 2			
NQF Credit Value		20				
Year level		Year 2				
Breakdown	Hours	Timetable requiren	nents per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with	27	Lectures p.w.	3	P1 – Face to Face		
lecturer/tutor				P2 – Face to Face		
				P3 – Face to Face		
Tutorials	9	Tutorial p.w	1	P1 – Face to face		
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face		
Assignments &	24			Individual/group		
tasks				Sit down		
Assessments	24			Sit down		
Self- study	62			Learning guides and		
				course readers		
				online – asynchronous mode		
				mode		
TOTAL Learning	200					
Time						
Method of Student	Continuous Assessment (CA): 60%			Continuous Assessment (CA):		
Assessment	Final Assessmer	nt (FA): 40%		Sit down		
Assessment	Continuous and Final Assessment (CFA)					
Module type						

Programme		BSc (Biotechnology) (3211, 3007)				
Module Name:		Molecular Biology I BTN222				
Module Code						
Proposed Semester	(s) to be offered	Semester 1	Semester 1			
NQF Credit Value	NQF Credit Value	20				
Year level		Year 2				
Breakdown	Hours	Timetable requirem	ents per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	27	Lectures p.w.	3	P1 – Face to Face and online consultations P2 – Face to Face and online consultations P3 – Face to Face and online consultations		
Tutorials	9	Tutorial p.w	1	P1 – Face to Face		
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	24			Individual/group assignments and individual quiz Online and prac sit down		
Assessments	24			Sit down class test and prac sit down		
Self- study	62			 Learning guides and course readers online – asynchronous mode 		
TOTAL Learning Time	200					
Method of Student Assessment	Continuous Asse Final Assessmer	essment (CA): 60% nt (FA): 40%	Continuous Assessment (CA): Online and sit down			
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme BSc (Biot		BSc (Biotechnolog	Sc (Biotechnology) (3211, 3007)			
Module Name:		Biochemistry I				
Module Code		BTN223				
Proposed Semester	Proposed Semester(s) to be offered					
NQF Credit Value		20				
Year level		Year 2				
Breakdown of Learning	Hours	Timetable requirem	nents per week	Teaching modes that does		
time			Number of periods	require timetable		
Contact with	27	Lectures p.w.	3	P1 – Face to Face		
lecturer/tutor				P2 – Face to Face		
				P3 – Face to Face		
Tutorials	9	Tutorial p.w	1	P1 – Online		
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	24			Individual/groupOnline and prac sit down		
Assessments	24			Online and prac sit down		
Self- study	62			 Learning guides and course readers online – asynchronous mode 		
TOTAL Learning	200					
Time						
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			Continuous Assessment (CA): Online and sit down		
Assessment Module type	Continuous Assessment (CA)					

Programme		BSc (Biotechnology) (3211, 3007)				
Module Name:		Environmental and Industrial Microbiology				
Module Code	Module Code Proposed Semester(s) to be offered		BTN312			
Proposed Semester						
NQF Credit Value		30				
Year level		Year 3				
Breakdown of Learning	Hours	Timetable require	ements per week	Teaching modes that does		
time			Number of periods	require timetable		
Contact with lecturer/tutor	27	Lectures p.w.	3	P1 to P3 - Online		
Tutorials	18	Tutorial p.w	2	P1 to P2 - Face to Face		
Practicals	55	Practicals p.w	6	P1 to P6 – Face to face		
	1	1				
Assignments & tasks	48			Individual/groupOnline and prac sit down		
Assessments	32			Online and prac sit down		
Self- study	120			 Learning guides and course readers online – asynchronous mode 		
TOTAL Learning Time	300					
Method of Student Assessment		Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online/take home/ sit down Final Assessment (FA): Sit down/online		
Assessment Module type	Continuous and	Final Assessment (0	CFA)			

Programme		BSc (Biotechnology) (3211, 3007)			
Module Name:		Molecular Biology II BTN315			
Module Code					
Proposed Semester	(s) to be offered	Semester 1			
NQF Credit Value		30			
Year level		Year 3			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with lecturer/tutor	27	Lectures p.w.	3	P1 – Face to Face P2 – Face to Face	
				P3 – Face to Face	
Tutorials	18	Tutorial p.w	2	P1 – Online P2 – Online	
Practicals	55	Practicals p.w	6	P1 to P6 – Face to face	
Assignments & tasks	48			Individual/groupOnline and prac sit down	
Assessments	32			Online and prac sit down	
Self- study	120			 Learning guides and course readers online – asynchronous mode 	
TOTAL Learning	300				
Time Method of Student Assessment		Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online and sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc (Biotechnology) (3211, 3007)			
Module Name:		Human Biotechnology BTN316			
Module Code					
Proposed Semester	Proposed Semester(s) to be offered				
NQF Credit Value		30			
Year level		Year 3			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with	27	Lectures p.w.	3	P1 – Face to Face	
lecturer/tutor				P2 – Face to Face	
				P3 – Face to Face	
Tutorials	18	Tutorial p.w	2	P1 – Face to Face / Online	
				P2 – Face to Face / Online	
Practicals	55	Practicals p.w	6	P1 to P6 – Face to face	
Assignments &	48			Individual	
tasks				Online and prac sit down	
Assessments	32			Online and prac sit down	
Self- study	120			Learning guides and	
				course readers	
				online – asynchronous mode	
				mode	
TOTAL Learning	300				
Time					
Method of Student	Continuous Assessment (CA): 60%			Continuous Assessment (CA):	
Assessment	Final Assessmer	nt (FA): 40%		Online and sit down	
Assessment	Continuous and	Final Assessment (C	CFA)		
Module type		,			

Programme		BSc (Biotechnology) (3211, 3007)			
Module Name:		Biochemistry II BTN322			
Module Code					
Proposed Semester	Proposed Semester(s) to be offered				
NQF Credit Value		30			
Year level		Year 3			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with lecturer/tutor	27	Lectures p.w.	3	P1 – Face to Face P2 – Face to Face P3 – Face to Face	
Tutorials	18	Tutorial p.w	2	P1 – Online P2 – Online	
Practicals	55	Practicals p.w	6	P1 to P6 – Face to face	
Assignments & tasks	48			Individual/groupOnline and prac sit down	
Assessments	32			Online and prac sit down	
Self- study	120			 Learning guides and course readers online – asynchronous mode 	
TOTAL Learning Time	300				
Method of Student Assessment		Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online and sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

HONOURS MODULE DESCRIPTORS

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Molecular Biology and Bioinformatics Practical 701 BTY701			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	20	Lectures p.w.	2	P1 to P2 – Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	105	Practicals p.w	5	P1 to P5 – Face to Face	
				-	
Assignments & tasks	5			Individual/Take home	
Assessments	5			Take home/sit down	
Self- study	15			Course material Online – Asynchronous mode	
Other	0				
TOTAL Learning Time	150				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Take home/Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Fin	al Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Literature Review 702 BTY702			
Module Code					
Proposed Semester(s) to be offered		Both Semester			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable requir	ements per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	0	Lectures p.w.	0		
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	10			Individual Sit down/online	
Assessments	0				
Self- study	70			Journal articles	
Other	70			Writing	
TOTAL Learning Time	150				
	1		1	•	
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous A	Assessment (CA): Take home	
Assessment Module type	Continuous Assessi	ment (CA)			

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Research Project 703 BTY703			
Module Code					
Proposed Semester(s) to be offered		Both Semester			
NQF Level Credits		40			
Year level		1			
Breakdown of Learning time	Hours	Timetable requir	rements per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	0	Lectures p.w.	0		
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	0				
Assessments	0				
Self- study	100			Journal articles	
Other	300			Individual Laboratory work	
TOTAL Learning Time	400				
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous A	ssessment (CA): Take home	
Assessment Module type	Continuous Assessn	nent (CA)			

Programme		BSc Hons (Biotec	hnology) (370	7)	
Module Name:		Advanced Plant Biotechnology 704 BTY704			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	12	Lectures p.w.	2	P1 to P2 – Online/Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	50			Individual Take home	
Assessments	2			Take home	
Self- study	36			Course material Online – Asynchronous mode	
Other	0				
TOTAL Learning Time	100				
Method of Student Assessment		ntinuous Assessment (CA): 60% al Assessment (FA): 40%		ssessment (CA): Take home ment (FA): Take home	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Genomics and Molecular Genetics 709 BTY709			
Module Code					
Proposed Semester(s) to be offered		Second Semest	er		
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	12	Lectures p.w.	2	P1 to P2 – Online/Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	32			Individual/Group Take home/sit down/online	
Assessments	2				
Self- study	54			Course material Online – Asynchronous mode	
Other	0				
TOTAL Learning Time	100				
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous A	Assessment (CA): Take sit down	
Assessment Module type	Continuous Assess	ment (CA)			

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Apoptosis 710 BTY710			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	12	Lectures p.w.	2	P1 to P2 – Online/Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	34			Individual/Group	
lasks				Take home/sit	
				down/online	
Assessments	0				
Self- study	54			Course material	
				Online – Asynchronous	
				mode	
Other	0				
TOTAL Learning Time	100				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		home/online	assessment (CA): Take	
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707) BSc Hons (Medical Bioscience) (3721)			
Module Name:		Forensic DNA Analysis			
Module Code		BTY714			
Proposed Semester(s	s) to be offered	1			
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	12 hours	Lectures p.w.	2	Online and Face to face	
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	18 hours			Online take home quiz task on lecture material and articles.	
Assessments	12 hours			Online quiz Final test	
Self- study	56 hours			Lecture material; review articles and course reading material.	
Method of Student Assessment	Module lectures and articles quiz assessments: 50% Final assessment test: 50%		home weekly	Assessment (CA): Online take Quiz via Ikamva. ment (FA): Sit down test	
Assessment Module type	Continuous and Fina (CFA)	al Assessment			

Programme		BSc Hons (Biotechnology) (3707)				
Module Name:		Special Topics 717				
Module Code		BTY717				
Proposed Semester(s) to be offered		Second Semest	er			
NQF Level Credits		10				
Year level		1				
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that do not require timetable		
			Number of periods			
Contact with lecturer/tutor	16	Lectures p.w.	2	P1 to P2 – Online/Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	20			Individual Take home		
Assessments	2			Sit down		
Self- study	62			Course material Online – Asynchronous mode		
TOTAL Learning Time	100					
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous A home/Sit dow	ssessment (CA): Take vn		
Assessment Module type	Continuous Assessi	Continuous Assessment (CA)				

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Proteomics 718			
Module Code		BTY718			
Proposed Semester	(s) to be offered	Second Semester			
NQF Level Credits		10			
Year level		1			
Breakdown of	Hours	Breakdown of Lea	rning time	Teaching modes that do	
Learning time			Number of periods	not require timetable	
Contact with lecturer/tutor	16	Lectures p.w.	2	P1 to P2 – Online/Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	8	Practicals p.w	2	P1 to P2 – Face to Face	
	,		1		
Assignments & tasks	34			Individual/Group Take home/sit down/online	
Assessments	3			Sit down/online/take home	
Self- study	39			Course material Online – Asynchronous mode	
TOTAL Learning Time	100				
	l o di di				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Final assessment (FA): take home/online		
Assessment Module type	Continuous and Fin	al Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Biofuels 719 BTY719			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable requires week	ments per	Teaching modes that do not require timetable	
			Number of periods	-	
Contact with lecturer/tutor	12	Lectures p.w.	2	P1 to P2 - Online	
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	20			Individual/Group	
tasks				Online/Sit down/take	
				home	
Assessments	2			Sit down	
Self- study	54			Course material	
				Online – Asynchronous	
				mode	
Other	12				
TOTAL Learning	100				
Time					
Method of Student	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA):		
Assessment	·		Final assessn	nent (FA): take home/online	
Assessment	Continuous and Fina	I Assessment (CFA)			
Module type					

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Molecular Mechanisms of Cancer 721 BTY721			
Module Code					
Proposed Semester	r(s) to be offered	Second Semester			
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	20	Lectures p.w.	2	P1 to P2 – Online/Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	0	Practicals p.w	0		
Assignments & tasks	28			Individual Take home	
Assessments	2			Sit down	
Self- study	50			Course material Online – Asynchronous mode	
TOTAL Learning Time	100				
	1	1	1	1	
Method of Student Assessment	Continuous Assessment (CA): 80% Final Assessment (FA): 20%		Continuous Assessment (CA): Take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc Hons (Biotechnology) (3707)			
Module Name:		Next Generation Sequencing 722 BTY722			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable require	ments per	Teaching modes that do not require timetable	
			Number of periods		
Contact with lecturer/tutor	16	Lectures p.w.	2	P1 to P2 - Online	
Tutorials	16	Tutorial p.w	2	P1 to P2 – Face to Face	
Practicals	0	Practicals p.w	0		
Assignments & tasks	10			Individual Take home	
Assessments	4			Sit down	
Self- study	44			Course material Online – Asynchronous mode	
Other	10				
TOTAL Learning Time	100				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			ssessment (CA): Take home nent (FA): Sit down	
Assessment Module type	Continuous and Fina	Continuous and Final Assessment (CFA)			

FACULTY OF NATURAL SCIENCES DEPARTMENT: CHEMISTRY

Programme		3019, 3220, 3305, 4516, 4092, 3011, 3214, 3120, 3233			
Module Name:		Chemistry 114			
Module Code		CHE114			
Proposed Semester(s) to be offered		Semester 1			
NQF Credit Value		15			
Year level		Year 1			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with lecturer/tutor	50	Lectures p.w.	3	P1 to P3: Face to Face	
Tutorials		Tutorial p.w	1	P1 - Face to face	
Practicals	30	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	10			Individual Online/take home	
Assessments	15			Sit down	
Self- study	45			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	150				
	1			1	
Method of Student Assessment		ontinuous Assessment (CA): 60% nal Assessment (FA): 40%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down	
Assessment Module type	Continuous and	Final Assessment (C			

Programme		3019, 3220, 3305, 3011, 3214, 3120, 3233			
Module Name:		Chemistry 124 CHE124			
Module Code					
Proposed Semester	(s) to be offered	Semester 2			
NQF Credit Value		15			
Year level		Year 1			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with lecturer/tutor	50	Lectures p.w.	3	P1 to P3: Face to Face	
Tutorials		Tutorial p.w	1	P1 - Face to face	
Practicals	30	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	10			IndividualOnline/take home	
Assessments	15			Sit down	
Self- study	45			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	150				
Method of Student Assessment	Continuous Asse Final Assessmer	essment (CA): 60% nt (FA): 40%	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3217, 3015, 3211, 3007, 3331, 3027, 3230, 3035, 8051, 8104, 8106, 8231			
Module Name:		Chemistry 116			
Module Code	Module Code				
Proposed Semester(s) to be offered		Semester 1			
NQF Credit Value		15			
Year level		Year 1			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with lecturer/tutor	50	Lectures p.w.	3	P1 to P3: Face to Face	
Tutorials	-	Tutorial p.w	1	P1 - Face to face	
Practicals	30	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	10			Individual Online/take home	
Assessments	15			Sit down	
Self- study	45			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	150				
Method of Student	Continuous Asse	essment (CA): 60%		Continuous Assessment (CA):	
Assessment	Final Assessmer		Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (C			

Programme		3217, 3015, 3211, 3007, 3331, 3027, 3230, 3035			
Module Name:		Chemistry 126 CHM126			
Module Code					
Proposed Semester	(s) to be offered	Semester 2			
NQF Credit Value		15			
Year level		Year 1			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time		Number of periods		require timetable	
Contact with lecturer/tutor	50	Lectures p.w.	3	P1 to P3: Face to Face	
Tutorials		Tutorial p.w	1	P1 - Face to face	
Practicals	30	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	10			Individual Online/take home	
Assessments	15			Sit down	
Self- study	45			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	150				
	l	. (6.)			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		8313				
Module Name:		Chemistry (Nursing)114 – ECP				
Module Code		CHM114				
Proposed Semester(s) to be offered NQF Credit Value		Year				
		15				
Year level		1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	84	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials	28	Tutorial p.w	2	P1 to P2- Face to face		
Practicals	556	Practicals p.w	3	P1 to P3 – Face to face		
Assignments & tasks	49			Individual Online/take home		
Assessments	15			Sit down		
Self- study	68			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	300					
	1					
Method of Student Assessment	Continuous Asse Final Assessmer	essment (CA): 60% nt (FA): 40%	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down			
Assessment Module type	Continuous and	Final Assessment (C				

Programme		5101				
Module Name:		Chemistry 118				
Module Code Proposed Semester(s) to be offered		CHE118				
		Semester 1				
NQF Credit Value		15				
Year level		Year 1				
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	50	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	1	P1 - Face to face		
Practicals	30	Practicals p.w	3	P1 to P3: Face to Face		
Assignments & tasks	10					
Assessments	15			Sit down		
Self- study	45			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme		8313				
Module Name:		Chemistry 119				
Module Code		CHM119				
Proposed Semester(s) to be offered		Semester 2				
NQF Credit Value		10				
Year level		Year 1				
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	42	Lectures p.w.	2	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	2	P1 to P2 - Face to face		
Practicals	0	Practicals p.w	0			
Assignments & tasks	0					
Assessments	10			Sit down		
Self- study	48			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	100					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme		3211, 3007, 3220, 3019, 3233, 3120			
Module Name:		Chemistry 211 CHM211			
Module Code					
Proposed Semester	Proposed Semester(s) to be offered				
NQF Credit Value		20			
Year level		Year 2			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time		Number of periods		require timetable	
Contact with lecturer/tutor	56	Lectures p.w.	3	P1 to P3: Face to Face	
Tutorials		Tutorial p.w	1	P1 - Face to face	
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	42			Individual Online/take home	
Assessments	12			Sit down	
Self- study	48			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	200				
	T -				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3211, 3007, 3019, 3220, 3233, 3120			
Module Name:		Chemistry 212 CHM212			
Module Code					
Proposed Semester	Proposed Semester(s) to be offered				
NQF Credit Value		20			
Year level		Year 2			
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with lecturer/tutor	56	Lectures p.w.	3	P1 to P3: Face to Face	
Tutorials		Tutorial p.w	1	P1 - Face to face	
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	42			Individual Online/take home	
Assessments	12			Sit down	
Self- study	48			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3019, 3220				
Module Name:		Chemistry 221				
Module Code		CHM221 - new				
Proposed Semester(s) to be offered		Semester 2				
NQF Credit Value		20				
Year level		Year 2				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	56	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	1	P1 - Face to face		
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face		
Assignments & tasks	42			Individual Online/take home		
Assessments	12			Sit down		
Self- study	48			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	200					
	1					
Method of Student Assessment	Continuous Asse Final Assessmer	essment (CA): 60% nt (FA): 40%	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down			
Assessment Module type	Continuous and	Final Assessment (C				

Programme		3220, 3019, 3233, 3120				
Module Name:		Chemistry 311				
Module Code		CHM311				
Proposed Semester	(s) to be offered	Semester 1				
NQF Credit Value	NQF Credit Value					
Year level		Year 3				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	84	Lectures p.w.	5	P1 to P5: Face to Face		
Tutorials		Tutorial p.w	1	P1 - Face to face		
Practicals	84	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	60			Individual Online/take home		
Assessments	12			Sit down		
Self- study	60			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	300					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme		3220, 3019, 3233, 3120				
Module Name:		Chemistry 312				
Module Code		CHM312				
Proposed Semester	(s) to be offered	Semester 2				
NQF Credit Value		30				
Year level		Year 3				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	84	Lectures p.w.	5	P1 to P5: Face to Face		
Tutorials		Tutorial p.w	1	P1 - Face to face		
Practicals	84	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	60			Individual Online/take home		
Assessments	12			Sit down		
Self- study	60			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	300					
Method of Student Assessment	Continuous Asse Final Assessmer	essment (CA): 60% nt (FA): 40%	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down			
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme		3220, 3019, 3233, 3120				
Module Name:		Chemistry 321				
Module Code		CHM321				
Proposed Semester	(s) to be offered	Semester 1				
NQF Credit Value		30				
Year level		Year 3				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	84	Lectures p.w.	5	P1 to P5: Face to Face		
Tutorials		Tutorial p.w	1	P1 - Face to face		
Practicals	84	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	60			Individual Online/take home		
Assessments	12			Sit down		
Self- study	60			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	300					
			•			
Method of Student Assessment		Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (0	CFA)			

Programme		3220, 3019, 3233, 3120				
Module Name:		Chemistry 322				
Module Code		CHM322				
Proposed Semester	(s) to be offered	Semester 2				
NQF Credit Value		30				
Year level		Year 3				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	84	Lectures p.w.	5	P1 to P5: Face to Face		
Tutorials		Tutorial p.w	1	P1 - Face to face		
Practicals	84	Practicals p.w	6	P1 to P6 – Face to face		
Assignments & tasks	60			Individual Online/take home		
Assessments	12			Sit down		
Self- study	60			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	300					
	1					
Method of Student Assessment		us Assessment (CA): 60% essment (FA): 40%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (C				

Programme		BSc (Honours) in Chemical Sciences 3734				
Module Name:		Chemistry 701				
Module Code		CHM701				
Proposed Semester	Proposed Semester(s) to be offered					
NQF Credit Value		15				
Year level		1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	40			Individual Online/take home		
Assessments	30			Sit down		
Self- study	40			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
	T -					
Method of Student Assessment	Continuous Asse Final Assessmer	ssessment (CA): 50% nent (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (C	CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734				
Module Name:		Chemistry 702				
Module Code		CHM702				
Proposed Semester	(s) to be offered	Semester 1				
NQF Credit Value		15				
Year level		1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	40			Individual Online/ta ke home		
Assessments	30			Sit down		
Self- study	40			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
	I a					
Method of Student Assessment		ous Assessment (CA): 50% ssessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (0	CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734				
Module Name:		Chemistry 703				
Module Code		СНМ703				
Proposed Semester	Proposed Semester(s) to be offered					
NQF Credit Value		15				
Year level		1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	40			Individual Online/take home		
Assessments	30			Sit down		
Self- study	40			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
	T = .					
Method of Student Assessment	Continuous Asse Final Assessmer	ssessment (CA): 50% nent (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (0	CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734				
Module Name:		Chemistry 704				
Module Code		CHM704				
Proposed Semester	Proposed Semester(s) to be offered					
NQF Credit Value		15				
Year level		1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	40			Individual Online/take home		
Assessments	30			Sit down		
Self- study	40			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
	T = .					
Method of Student Assessment	Continuous Asse Final Assessmer	ssessment (CA): 50% nent (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (0	CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734				
Module Name:		Chemistry 705				
Module Code		CHM705				
Proposed Semester	Proposed Semester(s) to be offered					
NQF Credit Value		15				
Year level		1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	40			Individual Online/take home		
Assessments	30			Sit down		
Self- study	40			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
	T -					
Method of Student Assessment	Continuous Asse Final Assessmer	ssessment (CA): 50% ment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (0	CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734				
Module Name:		Chemistry 707				
Module Code		CHM707	CHM707			
Proposed Semester	(s) to be offered	Semester 2				
NQF Credit Value		30				
Year level		1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	0	Lectures p.w.	0			
Tutorials		Tutorial p.w	0			
Practicals	190	Practicals p.w	0			
Assignments & tasks	0					
Assessments	0					
Self- study	30			Literature search		
Other:	80			Lab Skills		
TOTAL Learning Time	300					
	T -					
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		Final Assessment (FA): Presentation & write-up			
Assessment Module type	Final Assessmer	nt (FA)				

Programme		BSc (Honours) in Chemical Sciences 3734				
Module Name:		Chemistry 708				
Module Code		CHM708				
Proposed Semester	(s) to be offered	Semester 2				
NQF Credit Value		15				
Year level		1				
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 to P3: Face to Face		
Tutorials		Tutorial p.w	4	P1 to P2: Face to Face		
Practicals	50	Practicals p.w	6	P1 to P6: Face to Face		
Assignments & tasks	40			Individual Online/take home		
Assessments	0					
Self- study	20			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
Method of Student Assessment		Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Assignments & Tasks		
Assessment Module type	Continuous and	Final Assessment (C				

FACULTY OF NATURAL SCIENCES DEPARTMENT: Computer Science

Programme		3214, 3211, 3230, 3221, 3227, 3233			
Module Name:		Computing Fundamentals 114 COS114			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable requirements	rements per	Teaching modes that does require timetable	
ume			Number of periods	_	
Contact with lecturer/tutor	32	Lectures p.w.	3	Face To Face (Period 1 – 3)	
Tutorials	0	Tutorial p.w	1	Face To Face	
Practicals	32	Practicals p.w	3	Face To Face (Period 1 - 3)	
Assignments & tasks	10			OnlineSit downTake home	
Assessments	10			OnlineSit downTake home	
Self- study	66			 Learning guides and course readers online –asynchronous mode 	
Total Learning Time	150				
Method of Student Assessment	Continuous Assessm	nent: 100%	OnlineSit downTake hom	ne	
Assessment Module type	Continuous Assessm	nent (CA)			

Name of programme		3214, 3211, 3230 ,3221, 3227, 3233			
Module Name:		Computing Fundamentals 124 COS124			
Module Code					
Proposed Semester(s) to be offered NQF Level Credits Year level		Second Semeste	er		
		15			
		1			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
unc			Number of periods		
Contact with lecturer/tutor	32	Lectures p.w.	3	Face To Face (Period 1 – 3)	
Tutorials	0	Tutorial p.w	1	Face To Face	
Practicals	32	Practicals p.w	3	Face To Face (Period 1 – 3)	
			·		
Assignments & tasks	10			OnlineSit downTake home	
Assessments	10			OnlineSit downTake home	
Self- study	66			 Learning guides and course readers online –asynchronous mode 	
Total Learning Time	150				
Method of Student Assessment	Continuous Assessr	ment: 100%	OnlineSit downTake hon	ne	
Assessment Module type	Continuous Assessr	ment (CA)			

Programme		3221, 3023, 3233, 3120, 3227			
Module Name:		Computer Scien	ice 101		
Module Code		COS101			
Proposed Semester	(s) to be offered	Both Semesters	i		
NQF Level Credits		30			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	112	Lectures p.w.	3	Face To Face (Period 1 – 3)	
Tutorials	0	Tutorial p.w	1	Face To Face	
Practicals	84	Practicals p.w	1	Face To Face	
Assignments & tasks	20			OnlineSit downTake home	
Assessments	20			OnlineSit downTake home	
Self- study	64			 Learning guides and course readers online –asynchronous mode 	
Total Learning Time	300				
Method of Student Assessment	Continuous Assessn	nent: 100%	OnlineSit downTake hom	ne	
Assessment Module type	Continuous Assessn	nent (CA)			

Programme		3221, 3023, 3227, 3233, 3120			
Module Name:		Computer Science 211 CSC211			
Module Code					
Proposed Semester	(s) to be offered	First Semester			
NQF Level Credits Year level		20			
		2			
Breakdown of Learning time	Hours	Timetable requirements	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	Face To Face (Period 1 – 3)	
Tutorials	0	Tutorial p.w	1	Face To Face	
Practicals	84	Practicals p.w	6	Face To Face (Period 1 – 6)	
Assignments & tasks	28			OnlineSit downTake home	
Assessments	9			OnlineSit downTake home	
Self- study	37			 Learning guides and course readers online –asynchronous mode 	
Total Learning Time	200				
Method of Student Assessment	Continuous Assessm	nent: 100%	OnlineSit downTake hom	ne	
Assessment Module type	Continuous Assessment (CA)				

Programme		3221, 3023, 3227, 3233, 3120 Computer Science 212				
Module Name:						
Module Code		CSC212				
Proposed Semester(s) to be offered NQF Level Credits Year level		Second Semeste	er			
		20				
		2				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
une			Number of periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	Face To Face (Period 1 – 3)		
Tutorials	0	Tutorial p.w	1	Face To Face		
Practicals	84	Practicals p.w	6	Face To Face (Period 1 – 6)		
Assignments & tasks	28			OnlineSit downTake home		
Assessments	9			OnlineSit downTake home		
Self- study	37			Learning guides and course readers online –asynchronous mode		
Total Learning Time	200					
Method of Student Assessment	Continuous Assess	ment: 100%	OnlineSit downTake hon	ne		
Assessment Module type	Continuous Assessment (CA)					

Programme		3221, 3023, 3227, 3233, 3120			
Module Name:		Computer Science 311 CSC311			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		30			
Year level		3			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	Face To Face (Period 1 – 3)	
Tutorials	0	Tutorial p.w			
Practicals	84	Practicals p.w	2	Face To Face (Period 1 – 2)	
Assignments & tasks	28			OnlineSit downTake home	
Assessments	3			OnlineSit downTake home	
Self- study	143			 Learning guides and course readers online –asynchronous mode 	
Total Learning Time	300				
Method of Student Assessment	Continuous Assessm	nent: 100%	OnlineSit downTake hon	ne	
Assessment Module type	Continuous Assessment (CA)				

Programme		3221, 3023, 3227, 3233, 3120				
Module Name:		Computer Scien	ice 312			
Module Code		CSC312				
Proposed Semester	(s) to be offered	Second Semest	er			
NQF Level Credits Year level		30				
		3				
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	Face To Face (Period 1 – 3)		
Tutorials	0	Tutorial p.w	0			
Practicals	84	Practicals p.w	2	Face To Face (Period 1 – 2)		
			<u>.</u>			
Assignments & tasks	28			OnlineSit downTake home		
Assessments	3			OnlineSit downTake home		
Self- study	143			 Learning guides and course readers online –asynchronous mode 		
Total Learning Time	300					
Method of Student Assessment	Continuous Assessment: 100%		OnlineSit downTake hon	ne		
Assessment Module type	Continuous Assessment (CA)					

Programme		3735				
Module Name:		Computer Science 726				
Module Code		COS726				
Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		15				
Year level		4				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
ume			Number of periods			
Contact with lecturer/tutor	28	Lectures p.w.	3	Face To Face (Period 1 – 3)		
Tutorials	0	Tutorial p.w	1	Face To Face		
Practicals	30	Practicals p.w	1	Face To Face		
Assignments & tasks	26			OnlineSit downTake home		
Assessments	9			OnlineSit downTake home		
Self- study	57			 Learning guides and course readers online –asynchronous mode 		
Total Learning Time	150					
Method of Student Assessment	Continuous Assessn	nent: 100%	OnlineSit downTake hom	ne		
Assessment Module type	Continuous Assessn	nent (CA)				

Programme		3735				
Module Name:		Computer Science 731				
Module Code		COS731				
Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		15				
Year level		4				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
ume			Number of periods			
Contact with lecturer/tutor	20	Lectures p.w.	1	Face To Face		
Tutorials	0	Tutorial p.w	0			
Practicals	100	Practicals p.w	5	Face To Face		
Assignments & tasks	5			OnlineTake home		
Assessments	0			Online Take home		
Self- study	24			Project researchProject DesignProject Prototyping		
Other	1			Project Presentation		
Total Learning Time	150					
Method of Student Assessment	Continuous Assessment: 100%		Online Take hore	ne		
Assessment Module type	Continuous Assess	ment (CA)				

Programme		3735 Computer Science 732				
Module Name:						
Module Code		COS732				
Proposed Semester(s) to be offered		Second Semest	er			
NQF Level Credits		15				
Year level		4				
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable		
time			Number of periods			
Contact with lecturer/tutor	20	Lectures p.w.	1	Face To Face		
Tutorials	0	Tutorial p.w	0			
Practicals	100	Practicals p.w	4	Face To Face (Period 1 – 4)		
Assignments & tasks	0			Online Take home		
Assessments	0			Online Take home		
Self- study	29			 Project research Project Implementation Project Testing 		
Other	1			Project Presentation		
Total Learning Time	150					
Method of Student Assessment	Continuous Assess	ment: 100%	Online Take hon	ne		
Assessment Module type	Continuous Assessment (CA)					

Programme		3735			
Module Name:		Computer Scien	ice 735		
Module Code		COS735			
Proposed Semester	(s) to be offered	First Semester			
NQF Level Credits		15			
Year level		4			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	30	Lectures p.w.	0	Face To Face (Entire Block Week)	
Tutorials		Tutorial p.w	0		
Practicals	20	Practicals p.w	0	Face To Face (Entire Block Week)	
Assignments & tasks	45			OnlineSit downTake home	
Tests & Examinations	55			OnlineSit downTake home	
Self- study	0			Learning guides and course readersonline resources	
Total Learning Time	150				
		l	l		
Method of Student Assessment	Continuous Assessr	ment: 100%	OnlineSit downTake hom	ne	
Assessment Module type	Continuous Assessr	ment (CA)			

Programme		3735			
Module Name:		Computer Scien	ce 736		
Module Code		COS736			
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		15			
Year level		4			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	30	Lectures p.w.	0	Face To Face (Entire Block Week)	
Tutorials		Tutorial p.w	0		
Practicals	20	Practicals p.w	0	Face To Face (Entire Block Week)	
Assignments & tasks	45			OnlineSit downTake home	
Tests & Examinations	55			OnlineSit downTake home	
Self- study	0			Learning guides and course readersonline resources	
Total Learning Time	150				
	I	I			
Method of Student Assessment	Continuous Assessm	nent: 100%	OnlineSit downTake hon	ne	
Assessment Module type	Continuous Assessm	nent (CA)			

Programme		3735 Computer Science 737				
Module Name:						
Module Code		COS737				
Proposed Semester(s) to be offered NQF Level Credits Year level		First Semester				
		15				
		4				
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable		
ume			Number of periods			
Contact with lecturer/tutor	28	Lectures p.w.	3	Face To Face (Period 1 – 3)		
Tutorials		Tutorial p.w	0			
Practicals	28	Practicals p.w	2	Face To Face (Period 1 – 2)		
Assignments & tasks	28			OnlineSit downTake home		
Assessments	8			OnlineSit downTake home		
Self- study	58			 Learning guides and course readers online –asynchronous mode 		
Total Learning Time	150					
Method of Student Assessment	Continuous Assess	ment: 100%	OnlineSit downTake hon	ne		
Assessment Module type	Continuous Assessment (CA)					

Programme		3735				
Module Name:		Computer Science 738				
Module Code		COS738				
Proposed Semester(s) to be offered		Second Semeste	er			
NQF Level Credits		15				
Year level		4				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
ume			Number of periods			
Contact with lecturer/tutor	30	Lectures p.w.	0	Face To Face (Entire Block Week)		
Tutorials		Tutorial p.w	0			
Practicals	20	Practicals p.w	0	Face To Face (Entire Block Week)		
Assignments & tasks	45			OnlineSit downTake home		
Assessments	0					
Self- study	55			Learning guides and course readersonline resources		
Total Learning Time	150					
Method of Student Assessment	Continuous Assess	ment: 100%	OnlineSit downTake hon	ne		
Assessment Module type	Continuous Assess	ment (CA)				

Programme		3735				
Module Name:		Computer Science 739				
Module Code		COS739				
Proposed Semester(s) to be offered		Second Semeste	er			
NQF Level Credits		15				
Year level		4				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
ume			Number of periods			
Contact with lecturer/tutor	30	Lectures p.w.	3	Face To Face (Entire Block Week)		
Tutorials		Tutorial p.w	0			
Practicals	20	Practicals p.w	2	Face To Face (Entire Block Week)		
Assignments & tasks	45			OnlineSit downTake home		
Assessments	0					
Self- study	55			Learning guides and course readersonline resources		
Total Learning Time	150					
			1			
Method of Student Assessment	Continuous Assess	ment: 100%	OnlineSit downTake hon	ne		
Assessment Module type	Continuous Assess	ment (CA)				

Name of programme		3735					
Module Name:		Computer Science 740 COS740 new					
Module Code							
Proposed Semester(s) to be offered NQF Level Credits		Second Semest	er				
		15					
Year level		4					
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable			
unic		Number of periods					
Contact with lecturer/tutor	30	Lectures p.w.	0	Face To Face (Entire Block Week)			
Tutorials		Tutorial p.w	0				
Practicals	20	Practicals p.w	0	Face To Face (Entire Block Week)			
Assignments & tasks	45			Online Take home			
Assessments	0			OnlineTake home			
Self- study	55			Learning guides and course readersOnline resources			
Total Learning Time	150						
Method of Student	Continuous Assess	sment: 100%	Online				
Assessment	Continuous Assess	Continuous Assessment: 100%		ne			
Assessment Module type	Continuous Assess	sment (CA)					

DEPARTMENT: Earth Science - APG

Programme		3214, 3011, 3217, 3015, 3331, 3027, 3233				
Module Name:		Earth Materials 111				
Module Code		ESC111				
Proposed Semester(s) to be offered	1 st Semester				
NQF Level Credits		15				
Year level		1				
Breakdown of	Hours	Timetable re	equirements	Teaching modes that does require		
Learning time		per		timetable		
		week				
			Number of			
			periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	• P1, P2, P3, All - Face-to- face		
Tutorials	10	Tutorial p.w	1	P1 - Online		
Practicals	42	Practicals p.w	1	All - Face-to-face		
Assignments &	12			Individual/group		
tasks				Online/Sit down/take home		
Assessments	12			Online/Sit down/Take home		
Self- study	32			Learning guides and online course		
				readers		
				Online – asynchronous mode		
TOTAL Learning	150					
Time						
Method of Student	Continuous Ass	essment	Continuous A	ssessment (CA): Online/Sit down/take		
Assessment (CA): 50% Final			home			
	Assessment (FA	4): 50%	Final Assessment (FA): Sit down			
Assessment	Continuous and	Final				
Module type	Assessment					
	(CFA)					

Programn	ne	3214, 3011, 3331, 3027					
Module Na		Geology 231	01,002				
Module Co		APG231					
Proposed 1		1 st Semester					
Semester(s) to be							
offered	` ′						
NQF Cred		20					
Year level		2					
Breakdo	Hours		uirements	Teaching modes that does require timetable			
wn of		per week	1				
Learning			Number				
time			of				
			periods				
Contact	36	Lectures p.w.	3	P1 & P2 - Online			
with				P3 - Face to face			
lecturer/tu							
tor Tutorials	0	Tutorial pay	0				
Practicals	_	Tutorial p.w		All face to face			
Fracticals	12	Practicals p.w	<u> </u>	All face to face			
Assig	38			Individual and group			
nmen				Online and sit down and take home			
ts &							
tasks							
Assessm	32			Online/Sit down/take home			
ents							
Self-	22			 Learning guides and course readers 			
study				Online – asynchronous mode			
				Prescribed textbook			
TOTAL	200						
Learning							
Time							
Method		Assessment		Continuous Assessment (CA): Online/Sit down/take home			
of	(CA): 50%			Final Assessment (FA):			
Student	Assessmen	it (FA): 50%		Sit down/Take home			
Assess							
ment							
Assessm	Continuous	and Final Asse	ssment				
ent	(CFA)						
Module	` '						
type							

Programme		3214, 3011, 30	027, 3331			
Module Name) :	Geology 232	·			
Module Code APG232		APG232				
Proposed Se	mester(s) to	2 nd Semester				
be offered	. ,					
NQF Level Cr	edits	20				
Year level		2				
Breakdown	Hours	Timetable rec	quirements	Teaching modes that does require timetable		
of Learning		per				
time		week				
			Number of			
			periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	P1, P2, P3, All face-to-face		
Tutorials	0	Tutorial p.w	0			
Practicals	84	Practicals p.w	2	All face-to-face		
Assignme	30			Individual and group		
nts &				Online/Sit down/take home		
tasks						
Assessments	12			Online/Sit down/take home		
Self- study	32			Learning guides and course readers		
-				Online – asynchronous		
				mode		
TOTAL	000 000 1					
TOTAL	300 -200 typo					
Learning						
Time						
Method of	Continuous	annon ant	Continuous	Approximant (CA): Online (Cit. down/take hama		
		Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Sit down				
Student	(CA): 50% Final Assessment (FA): 50%		Filial Assess	sment (FA). Sit down		
Assessment	ASSESSITIETIL (FA). 30%				
Assessment	Continuous ar	nd Final				
Module type	Assessment					
_	(CFA)					

Programme 3214, 3011						
Module Name):	Geology 2	Geology 233			
Module Code		APG233	APG233			
Proposed Ser	mester(s) to be	1 st OR 2 nd	Semester			
NQF Level Cr	edits	20				
Year level		2				
Breakdown	Hours	Timetable	requirements	Teaching modes that does require		
of Learning		per		timetable		
time		week				
			Number of			
			periods			
Contact with lecturer/tutor	32	Lectures p.w.	0	60% of the course is conducted in the field		
Tutorials	0	Tutorial	0	outside of the University Campus		
ratorialo		p.w		Campus		
Practicals	32	Practicals p.w	1			
	T ===	1	T			
Assignments & tasks	78			Individual/group		
Assessments	8			Take home/Field work		
Self- study	50			Learning guides and course readers Literature research		
TOTAL	200					
Learning						
Time						
	•	•	•			
Method of	Continuous Assessment		Continuous As	ssessment (CA): Field Work		
Student	(CA): 100% Final		/Take home			
Assessment	Assessment (FA): 0%					
Assessment	Continuous Asse					
Module type	(CA)					

Programme		3214, 3011					
Module Name):	Geology 311					
Module Code		APG311					
Proposed Ser offered	mester(s) to be	1 st Semester					
NQF Level Cr	edits	30					
Year level		3					
Breakdown of Learning time	Hours	Timetable per week	requirements	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	65	Lectures p.w.	3	P1 and P2: OnlineP3: Face to face			
Tutorials	0	Tutorial p.w	0				
Practicals	75	Practicals p.w	2	All face to face			
Assignme nts & tasks	60			Individual/group (online, in lab or take home)			
Assessments	10			Online in a controlled environment (computer lab)			
Self- study	90			 Learning guides and course readers Online –asynchronous mode 			
TOTAL Learning Time	300						
Motherac	Continuous Assa	aamast	Continuous	Accoment (CA): Online in a controlled			
Method of	Continuous Asse	Sinent		Assessment (CA): Online in a controlled			
Student Assessment	(CA): 50% Final Assessment (FA): 50%		 environment (computer lab) or take home Final Assessment (FA): Sit down (in a controlled environment) 				
Assessment Module type	Continuous and Assessment (CFA)	Final					

Programme		3214, 3011					
Module Name):	Geology 312					
Module Code	Module Code A		APG312				
Proposed Ser be offered	mester(s) to	1 st Semester					
NQF Level Cr	edits	30					
Year level		3					
Breakdown of Learning	Hours	Timetable requ	·	Teaching modes that does require timetable			
time			Number of periods				
Contact with lecturer/tutor	42	Lectures p.w.	3	P1, P2 and P3: All face to face			
Tutorials	0	Tutorial p.w	0				
Practicals	84	Practicals p.w	2	All face to face			
Assignme nts & tasks	60			IndividualSit down/ take home			
Assessments	30			Online/ Sit down/ take home			
Self- study	84			 Learning guides and course readers Online –asynchronous mode 			
Total Learning Time	300						
Method of	Continuous as	ssessment (CA)	Continuous as	ssessment (CA): Sit down/ take home/Online			
Student	Continuous assessment (CA): 50% Final assessment			nent (CA): Sit down			
Assessment	(FA): 50%						
Assessment Module type	Continuous and final assessment (CFA)						

Programme		3214, 3011					
Module Name	\ <u>.</u>	Geology 32	1				
Module Code	· -	APG321	-				
Proposed Ser		2 nd Semeste	r				
be offered							
NQF Level Cr	edits	30					
Year level		3					
Breakdown	Hours	Timetable		Teaching modes that does require timetable			
of Learning		requiremen	its per				
time		week					
			Number of				
			periods				
Contact with	42	Lectures	3	P1 to P3 – All face to Face			
lecturer/tutor		p.w.					
Tutorials	0	Tutorial p.w					
Practicals	84	Practicals	2	All face to Face			
		p.w					
	T = -	T	T				
Assignme	60			Individual/group			
nts &				Sit down/take home			
tasks	20			Oit dawn/antina			
Assessments	30			Sit-down/online			
Self-study	84			Learning guides and course notesOnline – asynchronous			
				•			
				mode			
TOTAL	300						
Learning							
Time							
Method of	Continuous A (CA): 50%	ssessment	Continuou	s Assessment (CA):			
Student	Final Assessr	nent	Online/sit	down/take home			
Assessment	(FA): 50%						
		Final Assessment (FA):					
			Sit down				
Assessment	Continuous a	nd Final					
Module type	Assessment						
	(CFA)						

Programme	ne 3214, 3011						
Module Name):	Geology 32					
Module Code		APG322					
Proposed Se	mester(s) to	2 nd Semeste	r				
be offered							
NQF Level Cr	edits	30					
Year level		3					
Breakdown	Hours	Timetable r	equirements per	Teaching modes that does require			
of Learning		week		timetable			
time			Number of				
			periods				
Contact with	18	Lectures	3	P1 & P2 - Online			
lecturer/tutor		p.w.		P3 - Face to face			
Tutorials	12	Tutorial p.w	2				
Practicals	76	Practicals	2	All face to face			
		p.w					
Assignme	62			 Individual and group 			
nts &				 Sit down and take home 			
tasks							
Assessments	60			Sit down/take home/field			
				work			
Self- study	72			 Learning guides and course readers 			
				 Online – asynchronous mode 			
				 Prescribed textbook 			
				reading			
TOTAL	300						
Learning							
Time							
Method of	Continuous As	ssessment		ment (CA): Sit down/take home/field work			
Student	(CA): 40% Final		Final Assessment (FA):				
Assessment	Assessment (FA): 60%		Sit down/Field report				
Assessment	Continuous ar	nd Final					
Module type	Assessment						
	(CFA)						

Programme	Programme 3710						
Module Name:		Research Project 709					
Module Code		APG709					
Proposed Sem	ester(s) to	Year					
be offered							
NQF Level Cre	dits	30					
Year level		71					
Breakdown of	Hours	Timetable requir	ements per	Teaching modes that does require			
Learning time		week		timetable			
			Number of				
			periods				
Contact with	50	Lectures p.w.	0	Meetings with supervisor			
lecturer/tutor							
Tutorials	0	Tutorial p.w	0				
Practicals	50	Practicals p.w	0	Independent research guided by			
				a supervisor			
Assignmen	14			Individual			
ts & tasks							
Assessments	6			Oral/online/sit			
				down/take home			
Self- study	180			 Independent research 			
TOTAL	300						
Learning							
Time							
	T		1				
Method of			Final Assessment (FA): Oral, take home				
Student							
Assessment							
Assessment	Final Assess	sment (FA)					
Module type							

Programme		3710				
Module Name):	Advanced Geology 721				
Module Code		APG721				
Proposed Sei	Proposed Semester(s) to		r			
be offered						
NQF Level Cr	edits	30				
Year level		1				
Breakdown	Hours		equirements	Teaching modes that does require		
of Learning		per		timetable		
time		week	T.,			
			Number of			
0 1 11			periods	D4: D40 5 4 4		
Contact with	80	Lectures	10	P1 to P10 – Face to face		
lecturer/tutor		p.w.		(Departmental Venue)		
Tutorials	0	Tutorial p.w	0	D4 Face to face		
Practicals	70	Practicals	1	P1 – Face to face		
		p.w		(Departmental Venue & Off- campus field work)		
	work)					
Assignme	70		1	Individual/group		
nts &	10			Sit down/take home		
tasks				Field work		
Assessments	30			Online/sit down/take home		
7.0000011101110				Field report and field		
				work		
Self- study	50			Learning guides and course readers		
				Online - asynchronous		
TOTAL	300					
Learning						
Time						
	1	ı	I			
Method of	Continuous A	ssessment	Continuous /	Assessment (CA): Sit		
(CA): 50%		down/online/				
Assessment	Final Assessn (FA): 50%	ICIIL				
Assessment				ment (FA): Sit down/take home		
Assessment	Continuous ar	nd Final				
Module type	Assessment					
	(CFA)					

Programme	rogramme 3710					
Module Name:		Applied Geochemistry				
Module Code	Module Code					
Proposed Semes	ter(s) to be	2 nd Semeste	er			
offered						
NQF Credit Value		20				
Year level		8 1				
Breakdown of	Hours	Timetable r	equirements	Teaching modes that does require		
Learning time		per week		timetable		
			Number of			
			periods			
Contact with	60	Lectures	3	P1 - Face to Face		
lecturer/tutor		p.w.		P2 &3 - Online		
Tutorials						
Practicals	40	Practicals p.w	2	P1 to P2 – Face to face		
		P.W				
Assignments	68			Individual		
& tasks				Online/take home		
Assessments	12			Online/take home		
Self- study	20			Learning guides and course		
				readers		
				online –asynchronous mode		
TOTAL Learning	200					
Time						
Method of				Continuous Assessment (CA):		
Student	Continuous Assessment			Online/Sit down/take home		
Assessment	(CA): 100% Final					
	Assessment (FA): 0%					
Assessment	Continuous Assessment (CA)					
Module type						

Programme		3710			
Module Name:		Economic G	Geology & Exploration Techniques		
Module Code		APG723			
Proposed Semes	Proposed Semester(s) to be offered 2 nd		r		
NQF Level Credit	s	20			
Year level		8 1			
Breakdown of	Hours	Timetable re	equirements	Teaching modes that does	
Learning time		per		require timetable	
		week			
			Number of		
			periods		
Contact with	70	Lectures	10	Face to face (Departmental	
lecturer/tutor		p.w.		Venue)	
Tutorials	0	Tutorial p.w	0		
Practicals	90	Practicals	12	Face to face (Departmental	
		p.w		Venue)	
Assignments	10			Individual	
& tasks				Sit down/ take home	
Assessments	10			Individual Sit down/ take home	
Self- study	20			Learning guides and	
Con olday				course readers	
Total Learning	200			000100100000	
Time					
111116		<u> </u>	<u> </u>	1	
Method of	Method of Continuous assessment (CA):		Continuous assessment (CA): Sit down/ take		
Student 50% Final assessment (F		ent (FA):	home		
Assessment	50%	, ,	Final assess	ment (CA): Sit down	
Assessment	Continuous and final	al assessment			
Module type	(CFA)				

Programme		3710				
Module Name:		Geology 724				
Module Code		APG724				
Proposed Semester(s) to be offered		1 st Semester				
NQF Level Credi	ts	20				
Year level		7 1				
Breakdown of Learning time	Hours	Timetable requ	uirements per	Teaching modes that does require timetable		
			Number of periods	·		
Contact with lecturer/tutor	80	Lectures p.w.	5	Face to face (Departmental Venue)		
Tutorials	0	Tutorial p.w	0			
Practicals	40	Practicals p.w	2	Face to face (Departmental Venue)		
Assignments & tasks	30			IndividualSit down/ take home		
Assessments	10			IndividualSit down/ take home		
Self- study	40			Learning guides and course readers		
Total Learning Time	200					
	To .:		T	(0.1) 0:: 1		
Method of Continuous assessm				sessment (CA): Sit down/ take home		
Student (CA): 50% Final			riilai assessiile	ent (CA): Sit down		
Assessment	assessment	(FA): 50%	0%			
Assessment Module type	Continuous assessment (CFA)					

DEPARTMENT: Earth Sciences - EWS

Programme		3214, 3011, 3217, 3015, 3331, 3027, 3233			
Module Name:		Earth Science 121 ESC121			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does require timetable	
unic			Number of periods		
Contact with lecturer/tutor	36	Lectures p.w.	3	All face-to-face	
Tutorials	12	Tutorial p.w	1	All online – e.g. primer / pre-lab for practicals	
Practicals	48	Practicals p.w	1	All face-to-face	
Assignments & tasks	8			Take-home	
Assessments	10			All sit-down	
Self- study	36			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	150				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down ne ment (FA): Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3214, 3011, 3217, 3015, 3331, 3027			
Module Name:		Environmental & Water Science 211 EWP211			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		20			
Year level		2			
Breakdown of Learning time	Hours	Timetable requi	irements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	All face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	84	Practicals p.w	3	All face-to-face – the class is large, so we need 3 practical sessions to accommodate groups in labs.	
			·		
Assignments & tasks	30				
Assessments	7			All sit-down	
Self- study	37			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down le ment (FA): Sit-down	
Assessment Module type	Continuous and Fina (CFA)	al Assessment			

Programme		3214, 3011, 3217, 3015, 3331, 3027			
Module Name:		Environmental & Water Science 221 EWP221			
Module Code					
Proposed Semester(s) to be offered		Second Semes	ter		
NQF Level Credits		20			
Year level		2			
Breakdown of Learning time	Hours	Timetable requ week	irements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	All face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	84	Practicals p.w	2	All face-to-face	
Assignments & tasks	30			Take-home	
Assessments	10			All sit-down	
Self- study	34			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit-down and take-home Final Assessment (FA): Sit-down		
Assessment Module type	Continuous and Fina (CFA)	Continuous and Final Assessment			

Programme		3027, 3331			
Module Name:		Environmental & Water Science 222 EWP222			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		20			
Year level		2			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	0		
Tutorials	0	Tutorial p.w	0		
Practicals	84	Practicals p.w	1	Field or lab-based.	
Assignments & tasks	20			Take-home and field-based.	
Assessments	14			Take-home	
Self- study	40			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student	Continuous Assessn	nent (CA): 100%	Continuous A	ssessment (CA): Sit-down and	
Assessment	Final Assessment (FA): 0%		take-home		
Assessment Module type	Continuous Assessn	nent (CA)			

Programme		3027, 3331			
Module Name:		Environmental & Water Science 311 EWP311			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		30			
Year level		3			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1&2: online P3: face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	98	Practicals p.w	2	All face-to-face	
			·		
Assignments & tasks	60			Take-home	
Assessments	10			All sit-down	
Self- study	90			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	300				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down e nent (FA): Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3331, 3027			
Module Name:		Environmental & Water Science 312 EWP312			
Module Code					
Proposed Semester(s) to be offered NQF Level Credits		First Semester			
		30			
Year level		3			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1&2: online P3: face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	84	Practicals p.w	2	All face-to-face	
Assignments & tasks	80			Take-home	
Assessments	10			All sit-down	
Self- study	84			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	300				
-					
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down e nent (FA): Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3027, 3331, 3217, 3015				
Module Name:		Environmental & Water Science 321				
Module Code		EWP321				
Proposed Semester(s) to be offered NQF Level Credits		Second Semes	ter			
		30				
Year level		3				
Breakdown of Learning time	Hours	Timetable requ week	irements per	Teaching modes that does require timetable		
ume			Number of periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	P1&2: online P3: face-to-face		
Tutorials	0	Tutorial p.w	0			
Practicals	84	Practicals p.w	2	All face-to-face		
Assignments & tasks	80			Take-home		
Assessments	10			All sit-down		
Self- study	84			 Learning guides and course readers. Online asynchronous learning resources. 		
Total Learning Time	300					
			T	(2.1)		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down ne ment (FA): Sit-down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme		3027, 3331			
Module Name:		Environmental & Water Science 322 EWP322			
Module Code					
Proposed Semester(s) to be offered		Second Semest	er		
NQF Level Credits		30			
Year level		3			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1&2: online P3: face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	84	Practicals p.w	2	All face-to-face	
				•	
Assignments & tasks	80			Take-home	
Assessments	10			All sit-down	
Self- study	84			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	300				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit-down and take-home Final Assessment (FA): Sit-down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc Honours in Environmental & Water Science 3780			
Module Name:		Environmental Assessment & Management EWP701			
Module Code					
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		20			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi	irements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	30	Lectures p.w.	2	P1: online asynchronous P2: face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	2	All face-to-face	
Assignments & tasks	34			Take-home	
Assessments	6			All sit-down	
Self- study	100			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down e nent (FA): Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc Honours in Environmental & Water Science 3780			
Module Name:		Advanced GIS & Remote Sensing EWP702			
Module Code					
Proposed Semester(s) to be offered NQF Level Credits		Second Semest	ter		
		20			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi	irements per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	21	Lectures p.w.	2	P1: online asynchronous P2: face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	42	Practicals p.w	2	All face-to-face	
Assignments & tasks	40			Take-home	
Assessments	6			All sit-down	
Self- study	91			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down e nent (FA): Sit-down	
Assessment Module type	Continuous and Fina (CFA)	Continuous and Final Assessment (CFA)			

Programme		BSc Honours in	Environmenta	I & Water Science 3780	
Module Name:		Hydrogeology			
Module Code		EWP703			
Proposed Semester	(s) to be offered	First Semester			
NQF Level Credits		20			
Year level		1			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	28	Lectures p.w.	2	P1: online asynchronous P2: face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	28	Practicals p.w	2	All face-to-face	
Assignments & tasks	24			Take-home	
Assessments	4			All sit-down	
Self- study	116			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down e nent (FA): Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc Honours in	n Environmenta	I & Water Science 3780	
Module Name:		Surface Water Hydrology			
Module Code		EWP704			
Proposed Semester	(s) to be offered	First Semester			
NQF Level Credits		20			
Year level		1			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	28	Lectures p.w.	2	P1: online asynchronous P2: face-to-face	
Tutorials	0	Tutorial p.w	0		
Practicals	28	Practicals p.w	2	All face-to-face	
Assignments & tasks	24			Take-home	
Assessments	4			All sit-down	
Self- study	116			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom	ssessment (CA): Sit-down e nent (FA): Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		BSc Honours in Environmental & Water Science 3780		
Module Name:		Research Project		
Module Code		EWP705		
Proposed Semester	(s) to be offered	First and Secon	nd Semester	
NQF Level Credits		30		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
ume			Number of periods	
Contact with lecturer/tutor	50	Lectures p.w.	0	NA
Tutorials	0	Tutorial p.w	0	NA
Practicals	64	Practicals p.w	0	NA
			•	
Assignments & tasks	80			Independent research guided by a supervisor.
Assessments	6			Research thesis feedback.
Self- study	100			Independent research.
Total Learning Time	300			
		•		
Method of Student Assessment	Continuous Assessment (CA): 0%		Final Assessr	ment (FA): Research thesis
	Final Assessment (FA): 100%			
Assessment Module type	Final Assessment (FA)			

Programme		BSc Honours in	Environmenta	I & Water Science 3780	
Module Name:		Fluvial Geomorphology			
Module Code		EWP706			
Proposed Semester	(s) to be offered	Second Semest	er		
NQF Level Credits Year level		20			
ume			Number of periods		
Contact with lecturer/tutor	28	Lectures p.w.		P1: online asynchronous P2: face-to-face	
Tutorials	0	Tutorial p.w			
Practicals	28	Practicals p.w		All face-to-face	
Assignments & tasks	24			Take-home	
Assessments	4			All sit-down	
Self- study	116			 Learning guides and course readers. Online asynchronous learning resources. 	
Total Learning Time	200				
Method of Student	Continuous Assessm	nent (CA): 50%	Continuous A	ssessment (CA): Sit-down	
Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		and take-hom		
Assessment Module type	Continuous and Final Assessment (CFA)				

Name of programme	Postgraduate Diploma in IWRM
Module Name:	IWRM In Practice
Module Code	WAT731
Proposed Semester(s) to be offered	First Semester
NQF Level Credits	20
Year level	1

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home
Assessment	Final Assessment (FA): 50%	Final Assessment (FA): Sit-down
Assessment Continuous and Final Assessment		
Module type	(CFA)	

Name of programme	Postgraduate Diploma in IWRM	
Module Name:	Water Resources Management	
Module Code	WAT732	
Proposed Semester(s) to be offered	First Semester	
NQF Level Credits	20	
Year level	1	

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home
Assessment	Final Assessment (FA): 50%	Final Assessment (FA): Sit-down
Assessment Continuous and Final Assessment		
Module type	(CFA)	

Name of programme	Postgraduate Diploma in IWRM
Module Name:	Spatial Analysis for IWRM
Module Code	WAT733
Proposed Semester(s) to be offered	First Semester
NQF Level Credits	20
Year level	1

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home
Assessment	Final Assessment (FA): 50%	Final Assessment (FA): Sit-down
Assessment Continuous and Final Assessment		
Module type	(CFA)	

Name of programme	Postgraduate Diploma in IWRM
Module Name:	Environmental Management / Water Regulations
Module Code	WAT734
Proposed Semester(s) to be offered	First Semester
NQF Level Credits	20
Year level	1

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home
Assessment	Final Assessment (FA): 50%	Final Assessment (FA): Sit-down
Assessment Continuous and Final Assessment		
Module type	(CFA)	

Name of programme	Postgraduate Diploma in IWRM
Module Name:	Water Quality Management
Module Code	WAT735
Proposed Semester(s) to be offered	Second Semester
NQF Level Credits	20
Year level	1

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home
Assessment	Final Assessment (FA): 50%	Final Assessment (FA): Sit-down
Assessment	Continuous and Final Assessment	
Module type	(CFA)	

Name of programme	Postgraduate Diploma in IWRM
Module Name:	Aquatic Ecosystems Management
Module Code	WAT736
Proposed Semester(s) to be offered	Second Semester
NQF Level Credits	20
Year level	1

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home	
Assessment Final Assessment (FA): 50%		Final Assessment (FA): Sit-down	
Assessment Continuous and Final Assessment			
Module type	(CFA)		

Name of programme	Postgraduate Diploma in IWRM
Module Name:	Environmental Education / Water Security
Module Code	WAT737
Proposed Semester(s) to be offered	Second Semester
NQF Level Credits	20
Year level	1

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home
Assessment	Final Assessment (FA): 50%	Final Assessment (FA): Sit-down
Assessment	Continuous and Final Assessment	
Module type	(CFA)	

Name of programme	Postgraduate Diploma in IWRM
Module Name:	Water Demand Management / Sustainable Development
Module Code	WAT738
Proposed Semester(s) to be offered	Second Semester
NQF Level Credits	20
Year level	1

<u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].

Practicals: 1 week of face-to-face practical activities on or off-campus [16 hours].

Assignments & tasks: Take-home [70 hours].

Assessments: Sit-down [4 hours].

Self-study: Learning guides and course readers, online asynchronous learning resources [80

Method of Student	Continuous Assessment (CA): 50%	Continuous Assessment (CA): Take-home
Assessment	Final Assessment (FA): 50%	Final Assessment (FA): Sit-down
Assessment	Continuous and Final Assessment	
Module type	(CFA)	

Name of programme	Taught Masters in IWRM
Module Name:	Research Methodology 1 (Literature Review)
Module Code	WAT805
Proposed Semester(s) to be offered	First Semester
NQF Level Credits	30
Year level	1

The Taught Masters in IWRM is a postgraduate programme that is taught in-house. There are no timetable implications. The following principles will apply:

Lectures/tutorials: One 3-hour online seminar per week for six weeks [12 hours].

Assignments & tasks: Take-home [88 hours]. Self-study: Self-directed research [200 hours].

Total Learning Time: 300 hours.

Name of programme	Taught Masters in IWRM
Module Name:	Research Methodology 2 (Methods)
Module Code	WAT843
Proposed Semester(s) to be offered	Second Semester
NQF Level Credits	30
Year level	1

The Taught Masters in IWRM is a postgraduate programme that is taught in-house. There are no timetable implications. The following principles will apply:

Lectures/tutorials: One 3-hour online seminar per week for six weeks [12 hours].

Assignments & tasks: Take-home [88 hours]. Self-study: Self-directed research [200 hours].

Total Learning Time: 300 hours.

Programme		3227, 3031, 3233, 3120 Mathematics 112				
Module Name:						
Proposed Semester(s) to be offered NQF Level Credits		APM112	APM112			
		First Semester				
		15	15			
		1				
Breakdown of Learning time			uirements	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	52	Lectures p.w.	4	P1 to P4 – Face to face		
Tutorials	0	Tutorial p.w.	2	P1 to P2 – Face to face		
Practicals	0	Practicals p.w	0			
	·					
Assignments & tasks	10			IndividualTake home		
Assessments	15			Sit down		
Self- study	37			 Learning guides and course readers online – synchronous mode 		
	150					
			<u> </u>	1		
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type		tinuous and Final essment (CFA)				

Programme	3227, 3233, 302		23		
Module Name:		Applied Mathematics 123			
Module Code Proposed Semester(s) to be offered		APM123			
		Second Semester			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face	
Tutorials	13	Tutorial p.w.	1	P1 – Face to face	
Practicals	26	Practicals p.w.	2	P1 to P2 – face to face	
Assignments & tasks	20			IndividualOnline, take home	
Assessments	30			Sit down	
Self- study	22			 Learning guides and course readers online – asynchronou s mode 	
	150				
	I	1	1	1	
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Sit down Final Assessment (FA): Not applicable		
Assessment Module type	Continuous Assessment (CA)				

Programme 1008, 1101,17		1008, 1101,179	53, 7211, 122 ⁻	3, 7211, 1221		
Module Name:		Quantitative Skills for Commerce 131/132				
Module Code		QSC131/132				
Proposed Semester(s) to	oe offered	QSC131 in First Semester QSC132 in Second Semester				
NQF Level Credits		15				
Year level		1				
Breakdown of Learning time	Hours	Timetable req per week	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face		
Tutorials	13	Tutorial p.w.	1	Face to face		
Practicals	13	Practicals p.w.	0	0		
Assignments & tasks	20 15			IndividualOnline		
Assessments	0 5			Sit down		
Self- study	65			 Engage with the study material on iKamva. online – asynchronou s mode consulting the lecturer 		
	150					
	1	1		1		
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		down	essment (FA): Not		
Assessment Module type	Continuous Assessment (CA)					

Programme 3227, 3233,			3023				
Module Name:		Mathematics	115				
Module Code		MAM115	IAM115				
Proposed Semester(s) to be offered		First Semes	First Semester				
NQF Level Credits		15					
Year level		1					
Breakdown of Learning time	Hours	Timetable re		Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face			
Tutorials	13	Tutorial p.w.	1	Face to face			
Practicals	13	Practicals p.w	4	0			
Assignments & tasks	10			IndividualTake home			
Assessments	25			Sit down			
Self- study	50			 Learning guides and course readers online – asynchronous mode 			
	150						
Method of Student Assessment	100%	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Assessment (CA): Sit- and take-home s sment (FA): Not			
Assessment Module type	Continuous As	Continuous Assessment (CA)					

Programme 1008, 1101, 10		21, 1753,1175			
Module Name:		Mathematics 1	26/127		
Module Code	Module Code MAM126/127				
Proposed Semester(s) to be offered		First Semester – MAM126 Second Semester – MAM127			
NQF Level Credits		10			
Year level		1			
Breakdown of Learning time	Hours	Timetable req		Teaching modes that does require timetable	
			Number of periods	timetable	
Contact with lecturer/tutor	39	Lectures p.w.	3 4	P1 to P2 – Face to face P3 to P4 – Online	
Tutorials	13	Tutorial p.w.	1	Face to face	
Practicals	0	Practicals p.w.	0	0	
Assignments & tasks	6			IndividualOnline	
Assessments	10			Sit down	
Self- study	32			 Engage with the study material on iKamva. online – asynchronous mode 	
	100				
		•	•		
Method of Student Assessment	100%	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Assessment (CA): Sit sment (FA): Not	
Assessment Module type	Continuous ar	Continuous and Assessment (CA)			

Programme 3015, 3007, 30		27, 3035			
Module Name:		Introduction to Mathematics 150 MAM150			
Module Code					
Proposed Semester(s) to be offered NQF Level Credits		Both Semesters			
		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face	
Tutorials	13	Tutorial p.w.	1	Face to face	
Practicals	13	Practicals p.w.	1	Face to face	
Assignments & tasks	10			IndividualTake home	
Assessments	15			Sit down	
Self- study	60			 Learning guides and course readers online – asynchronous mode 	
	150				
Method of Student Assessment	(CA): 50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sit- nd take-home ment (FA): Sit down	
Assessment Module type		Continuous and Final Assessment (CFA)			

Programme 3011		3011, 3019, 302	3011, 3019, 3023, 3031, 3120			
Module Name:		Mathematics 151 MAM151				
Module Code						
Proposed Semester(s) to be offered NQF Level Credits		Year				
		15				
Year level		1				
Breakdown of Learning time	Hours	Timetable requ	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face		
Tutorials	13	Tutorial p.w.	1	Face to face		
Practicals	39	Practicals p.w.	3	P1 to P3 – face to face		
		•				
Assignments & tasks	10			IndividualTake home		
Assessments	9			Sit down		
Self- study	40			 Learning guides and course readers online – asynchronous mode 		
	150					
	1	_1	1	1		
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sitand take-home s sment (FA): Sit down		
Assessment	Continuous a	and Final				
Module type	Assessment	(CFA)				

Programme 3227, 3220, 32		33, 3221			
Module Name:		Differential Ca	lculus 103		
Module Code		MAT103 Both Semesters			
Proposed Semester(s) to be offered					
NQF Level Credits	l Credits 15				
Year level		1			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face	
Tutorials	13	Tutorial p.w.	1	Face to face	
Practicals	39	Practicals p.w.	3	P1 to P3 – face to face	
Assignments & tasks	15			IndividualTake home	
Assessments	15			Sit down	
Self- study	29			 Learning guides and course readers online – asynchro nous mode 	
	150				
	1	1	<u> </u>	ı	
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Sit- down te assignments	Assessment (CA): sts and take-home s sment (FA): Sit down	
Assessment	Continuous and Final				
Module type	Assessment (CFA)			

Programme		3011, 3019, 3023, 3031, 3120				
Module Name:		Mathematics	s 152			
Module Code		MAM152				
Proposed Semester(s) to offered	be	Both Semes	sters			
NQF Level Credits		15				
Year level		1				
Breakdown of Learning time	Hours	Timetable reper week	equirements	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face		
Tutorials	52	Tutorial p.w.	4	P1 to P4 – Face to face		
Practicals	26	Practicals p.w.	2	P1 to P2 – Face to face		
Assignments & tasks	10			IndividualSit down		
Assessments	10			Sit down		
Self- study	13			 Learning guides and course readers online – asynchronous mode 		
	150					
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		tests and take-	sessment (CA): Sit- down home assignments ent (FA): Sit down		
Assessment Module type	Continuous an Assessment (C					

Programme		3227, 3220, 32	33, 3221		
Module Name:		Mathematics 1	04		
Module Code		MAT104			
Proposed Semester(s) offered	to be	Year			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face	
Tutorials	13	Tutorial p.w.	1	Face to face	
Practicals	39	Practicals p.w.	3	P1 to P3 – Face to face	
Assignments & tasks	15			IndividualSit down	
Assessments	15			Sit down	
Self- study	29			 Learning guides and course readers online – asynchronous mode 	
	150				
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sitand take-home s sment (FA): Sit down	
Assessment	Continuous	and Final			
Module type	Assessmen	Assessment (CFA)			

Programme		3227, 3220, 3233, 3221			
Module Name:		Differential and Integral Calculus and Linear Algebra 105			
Module Code		MAT105			
Proposed Semester(s) to b offered	е	Both semeste	rs		
NQF Level Credits		30			
Year level		1			
Breakdown of Learning time	Hours	Timetable req			Teaching modes that does require timetable
				ımber of riods	timetable
Contact with lecturer/tutor	104	Lectures p.w.	4		P1 to P2: Online P3 to P4: Face to face
Tutorials	52	Tutorial p.w.	2		P1 to P2 – Face to face
Practicals	0	Practicals p.w.	0		0
		1	T		
Assignments & tasks	30				Individualtake home
Assessments	14				Sit down
Self- study	100				 Learning guides, full notes and course readers online – asynchronous mode
	300				
		I	-		1
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down	
Assessment	Continuous ar	Continuous and Final			
Module type	Assessment (Assessment (CFA)			

Programme 3227,		3227, 3031, 32	3227, 3031, 3220, 3019, 3233, 3120, 3221, 3023			
Module Name:		Mathematics 2	Mathematics 211			
Module Code		MAT211				
Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		20				
Year level		2				
Breakdown of Learning time	Hours	Timetable rec	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	84	Lectures p.w.	3	P1 to P3 – Face to face		
Tutorials	46	Tutorial p.w.	1	Face to face		
Practicals	0	Practicals p.w.	3	P1 to P3 – Face to face		
Assignments & tasks	0			0		
Assessments	10			Sit down		
Self- study	60			 Learning guides and course readers online – asynchronous mode 		
	200					
Method of Student Assessment	(CA): 60%	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		ssessment (CA): Sit ment (FA): Sit down		
Assessment Module type		Continuous and Final Assessment (CFA)				

Programme 3227, 30		3227, 3031, 32	3227, 3031, 3220, 3019, 3233, 3120, 3221, 3023			
Module Name:		Mathematics 212				
Module Code		MAT212				
Proposed Semester(s) to be offered NQF Level Credits		Second Semester				
		20				
Year level		2				
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	26	Practicals p.w.	2	P1 to P2 – Face to face		
Assignments & tasks	25			IndividualTake home		
Assessments	10			Sit down tests		
Self- study	100			 Engage with the study material on iKamva online – asynchronous mode 		
	200					
			1	<u> </u>		
Method of Student Assessment	60%	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Assessment (CA): Sit and take-home sement (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme		3227, 3031, 3220, 3019, 3233, 3120, 3221, 3023			
Module Name:		Mathematics 221 MAT221			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		20			
Year level		2			
Breakdown of Learning time	Hours	Timetable requirements	per week	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	78	Lectures p.w.	6	P1 to P6 – Face to face	
Tutorials	26	Tutorial p.w.	2	P1 to P2 – Face to face	
Practicals	0	Practicals p.w.	0	0	
Assignments & tasks	18			Individual	
				Take home	
Assessments	18			Sit down	
Self- study	60			 Learning guides and course readers online – asynchronous mode 	
	200				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		down	Assessment (CA): Sit ment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme 3227, 3031, 32		20, 3019, 3233, 3120, 3221, 3023				
Module Name:		Discrete Mathematics 232				
Module Code Proposed Semester(s) to be offered NQF Level Credits		MAT232 First Semester				
						20
		Year level		2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	52	Practicals 2 p.w.		P1 to P2 – Face to face		
Assignments & tasks	24			◆ Individual◆ Sit down		
Assessments	25			Sit down		
Self- study	60			 Learning guides and course readers online – asynchronous mode 		
	200					
	1	1	1	1		
Method of Student Assessment	60%	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Assessment (CA): Sit sment (FA): Sit down		
Assessment		Continuous and Final				
Module type	Assessment (Assessment (CFA)				

Programme	3227, 3031, 3233, 3120, 3221, 3023				
Module Name:		Real Analysis and Modern Algebra 311			
Module Code		MAT311			
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		30			
Year level		3			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	78	Practicals 2 p.w.		P1 to P2 – Face to face	
Assignments & tasks	40			IndividualTake home	
Assessments	23			Sit down	
Self- study	120			 Learning guides and course readers online – asynchronous mode 	
	300				
Method of Student Assessment	(CA): 50°	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		ous Assessment (CA): Sitss and take-home assignments sessment (FA): Sit down	
Assessment Modulo type		Continuous and Final Assessment (CFA)			
Module type	Assessm	ient (CFA)			

Programme Module Name: Module Code Proposed Semester(s) to be offered NQF Level Credits		3227, 3031, 3233, 3120, 3221, 3023							
		Mathematics 312 MAT312							
						First Semester 30			
		Year level	ear level		3				
		Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable			
			Number of periods						
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face					
Tutorials	26	Tutorial p.w.	2	P1 to P2 – Face to face					
Practicals	23	Practicals 3 p.w.		P1 to P3 – Face to face					
Assignments & tasks	23			IndividualTake home					
Assessments	39			Sit down					
Self- study	150			 Learning guides and course readers online – asynchronous mode 					
	300								
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down					
			i iliai Asses	sment (FA): Sit down					
Assessment Module type		Continuous and Final Assessment (CFA)							

Module Name: Complex Analys Module Code MAT321		33, 3120, 3221, 3023						
		Complex Analysis and Modern Algebra 321 MAT321 Second Semester						
						30		
						3		
		Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require		
					Number of periods	timetable		
Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face				
Tutorials	0	Tutorial p.w.	0	0				
Practicals	30	Practicals p.w.	3	P1 to P3 – Face to face				
Assignments & tasks	33			IndividualOnline				
Assessments	78			Sit down				
Self- study	120			 Learning guides and course readers online – asynchronou s mode 				
	300							
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		down	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down				
Assessment Module type	Continuous and Final Assessment (CFA)							

Programme Module Name: Module Code Proposed Semester(s) to be offered NQF Level Credits Year level		3227, 3031, 3233, 3120, 3221, 3023 Mathematics 322 MAT322 First Semester								
						30				
						3				
						Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require timetable
					Number of periods					
		Contact with lecturer/tutor	39	Lectures p.w.	3	P1 to P3 – Face to face				
Tutorials	39	Tutorial p.w.	1	Face to face						
Practicals	20	Practicals p.w.	1	Face to face						
Assignments & tasks	16			IndividualTake home						
Assessments	26			Sit down						
Self- study	160			 Learning guides and course readers online – asynchr onous mode 						
	300									
	l	L	1	I						
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down						
Assessment Module type		Continuous and Final Assessment (CFA)								

Programme		3736, 3739					
Module Name:		Stochastic Calculus for Finance 714					
Module Code		COF714	COF714				
Proposed Semester(s) to b offered	Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		15	15				
Year level		7	7				
Breakdown of Learning Hours time		Timetable requ	irements	Teaching modes that does require			
			Number of periods	timetable			
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face			
Tutorials	0	Tutorial p.w.	0	0			
Practicals	15	Practicals p.w.	1	Face to face			
Assignments & tasks	25			IndividualTake home			
Assessments	8			Sit down			
Self- study	72			Prescribed books and other study material.			
	150						
			•				
Method of Student Assessment	(CA): 60%	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		ssessment (CA): Sit- down -home assignments. nent (FA): Sit down			
Assessment Module type	Continuous and Final Assessment (CFA)						

Programme Module Name: Module Code Proposed Semester(s) to be offered NQF Level Credits Year level		3736, 3739 Financial Engineering 716 COF716 Second Semester 15 7								
						Breakdown of Learning time	Hours	Timetable req per week	uirements	Teaching modes that does require
									Number of periods	timetable
						Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face
						Tutorials	0	Tutorial p.w.	0	0
						Practicals	15	Practicals p.w.	1	Face to face
Assignments & tasks	25			IndividualTake home						
Assessments	8			Sit down						
Self- study	72			 Learning guides and course readers online – asynchro nous mode 						
	150									
Mathed of Cturbust	Continuous	Accomment (CA):	Continue	Association (CA):						
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): ests and take-home s sment (FA): Sit down						
Assessment	Continuous	Continuous and Final								
Module type	Assessmen	Assessment (CFA)								

Programme Module Name: Module Code Proposed Semester(s) to be offered NQF Level Credits		3736, 3739 Ordinary Differential Equations 707 MAM707 First Semester											
						15							
						Year level	el		7				
						Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require			
					Number of periods	timetable							
Contact with lecturer/tutor	42	Lectures p.w.	2	P1 to P2 – Face to face									
Tutorials	28	Tutorial p.w.	0	0									
Practicals	0	Practicals 1 p.w.		Online									
Assignments & tasks	32			IndividualTake home									
Assessments	12			Sit down									
Self- study	36			 Learning guides and course readers online – asynchronous mode 									
	150												
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sit									
Assessment Module type		Continuous and Final Assessment (CFA)											

Programme		3736			
Module Name:		Number Theory 709			
Module Code		MAM709			
Proposed Semester(s) to be offered		First or Sec	ond Semeste	r	
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable re	equirements	Teaching modes that does require timetable	
			Number of periods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	15	Practicals 1 p.w.		Face to face	
Assignments & tasks	25			IndividualTake home	
Assessments	8			Sit down	
Self- study	72			 Learning guides and course readers online – asynchronou mode 	
	150				
	1	ı	1	1	
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		down and take	ssessment (CA): Site- e-home assignments ment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme	3736					
Module Name:		Graph Theory	aph Theory 710			
Module Code	Proposed Semester(s) to be First or Secon					
Proposed Semester(s) to be offered			nd Semester	d Semester		
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req per week	uirements	Teaching modes that does require timetable		
		Number of periods				
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	15	Practicals p.w.	1	Face to face		
Assignments & tasks	25			IndividualTake home		
Assessments	8			Sit down		
Self- study	72			 Learning guides and course readers online – asynchronous mode 		
	150					
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sit and take-home s sment (FA): Sit down		
Assessment Module type		Continuous and Final Assessment (CFA)				

Programme		3736			
Module Name:		Partial Differential Equations 717			
Module Code		MAM717			
Proposed Semester(s) to be offered		Second Seme	ster		
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable request per week	uirements	Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 and P2 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	15	Practicals p.w.	1	Face to face	
Assignments & tasks	25			IndividualTake home	
Assessments	8			Sit down	
Self- study	72			 Learning guides and course readers online – asynchronou mode 	
	150				
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sit	
Assessment Module type		Continuous and Final Assessment (CFA)			

Programme		3736				
Module Name:		Measure and Integration 727				
Module Code	Module Code		MAM727			
Proposed Semester(s) to be offered		First Semeste	r			
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	15	Practicals 1 p.w.		Face to face		
Assignments & tasks	25			IndividualTake home		
Assessments	8			Sit down		
Self- study	72			 Learning guides and course readers online – asynchronous mode 		
	150					
	I	I	1			
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sit sment (FA): Sit down		
Assessment Module type		Continuous and Final Assessment (CFA)				

Programme		3736			
Module Name:		Computational	Linear Algebr	Linear Algebra 728	
Module Code		MAM728			
Proposed Semester(s) to be offered		First or Secon	nd Semester		
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	15	Practicals p.w.	1	Face to face	
Assignments & tasks	25			IndividualTake home	
Assessments	8			Sit down	
Self- study	72			 Learning guides and course readers online – asynchronous mode 	
	150				
	·	•	•		
Method of Student Assessment	60%	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Assessment (CA): Sit sment (FA): Sit down	
Assessment Module type		Continuous and Final Assessment (CFA)			

Programme		3736				
Module Name:		Mathematica	al Ph	ysics 731		
Module Code	Module Code MAM731					
Proposed Semester(s) to be offered		First or Sec	ond	Semester		
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable re	ble requirements		Teaching modes that does require	
				mber of iods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2		P1 to P2 – Face to face	
Tutorials	0	Tutorial p.w.	0		0	
Practicals	15	Practicals 1 p.w.			Face to face	
Assignments & tasks	25				IndividualTake home	
Assessments	8				Sit down	
Self- study	72				 Learning guides and course readers online – asynchronous mode 	
	150					
Method of Student Assessment	Continuous Assessment (CA): 70% Final Assessment (FA): 30%		down	es Assessment (CA): Sit		
Assessment Module type		Continuous and Final Assessment (CFA)				

New module in 2023.

Programme 3736						
Module Name:		Category Theo	Category Theory and Order Theory 732			
Module Code		MAM732				
Proposed Semester(s) to be offered)e	First or Secon	nd Semester			
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	15	Practicals p.w.	1	Face to face		
Assignments & tasks	45			IndividualTake home		
Assessments	8			Sit down		
Self- study	52			 Learning guides and course readers online – asynchronous mode 		
	150					
	<u>.</u>		•			
Method of Student Assessment	100%	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		us Assessment (CA): Sit		
Assessment Module type	Continuous	Continuous Assessment (CA)				

Programme	3736			
Module Name:		Topology 737		
Module Code		MAM737		
Proposed Semester(s) to be offered		First Semeste	r	
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requ	uirements	Teaching modes that does require
			Number of periods	timetable
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face
Tutorials	0	Tutorial p.w.	0	0
Practicals	15	Practicals p.w.	1	Face to face
Assignments & tasks	55			IndividualTake home
Assessments	8			0
Self- study	60			 Learning guides and course readers online – asynchrono us mode
	150			
Method of Student Assessment	100%	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Assessment (CA): ests and take-home s sment (FA): Not
Assessment Module type	Continuous	Assessment (CA)		

Programme		3736				
Module Name:		Functions of a	unctions of a Complex Variable 738			
Module Code		MAM738				
Proposed Semester(s) to b offered	Proposed Semester(s) to be First or Second offered		nd Semester			
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	15	Practicals p.w.	1	Face to face		
Assignments & tasks	25			IndividualTake home		
Assessments	8			Sit down		
Self- study	72			 Learning guides and course readers online – asynchronous mode 		
	150					
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		down	Assessment (CA): Sit sment (FA): Sit down		
Assessment Module type	Continuous Assessment (CA)					

Programme		3736				
Module Name:		Group Theory	739			
Module Code		MAM739				
Proposed Semester(s) to be offered	•	Second Seme	ster	ster		
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	15	Practicals p.w.	1	Face to face		
Assignments & tasks	25			IndividualTake home		
Assessments	8			Sit down		
Self- study	72			 Learning guides and course readers online – asynchronous mode 		
	150					
Method of Student Assessment	50%	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sit		
Assessment Module type	Continuous A	Continuous Assessment (CA)				

Programme	3736, 3735				
Module Name:		Coding Theory	747		
Module Code		MAM747			
Proposed Semester(s) to be offered		Second Semes	ster		
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable request per week		Teaching modes that does require timetable	
			Number of periods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	15	Practicals p.w.	1	Face to face	
Assignments & tasks	25			IndividualTake home	
Assessments	8			Sit down	
Self- study	72			 Learning guides and course readers online – asynchrono us mode 	
	150				
Method of		sessment (CA):		Assessment (CA): Sit	
Student Assessment	50% Final Assessment (FA): 50%		down Final Asses	sment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme	3736, 3739					
Module Name:		Project 748				
Module Code		MAM748				
Proposed Semester(s) to be offered		Second Seme	ster	ster		
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require		
			Number of periods	timetable		
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face		
Tutorials	0	Tutorial p.w.	0	0		
Practicals	15	Practicals 1 p.w.		Face to face		
Assignments & tasks	25			IndividualTake home		
Assessments	8			Sit down		
Self- study	72			 Learning guides and course readers online – asynchronous mode 		
	150					
			ı			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down			
Assessment Module type	Continuous As	Continuous Assessment (CA)				

Programme		3736			
Module Name:		Rings and Mod	lules 757		
Module Code		MAM757			
Proposed Semester(s) to be offered		First or Second Semester			
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	15	Practicals p.w.	1	Face to face	
Assignments & tasks	25			IndividualTake home	
Assessments	8			Sit down	
Self- study	72			 Learning guides and course readers online – asynchronous mode 	
	150				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous As	Continuous Assessment (CA)			

Programme		3736			
Module Name:		Functional Analysis 767 MAM757			
Module Code					
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable requestions per week		Teaching modes that does require timetable	
			Number of periods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	15	Practicals p.w.	1	Face to face	
Assignments & tasks	25			IndividualTake home	
Assessments	8			Sit down	
Self- study	72			 Learning guides and course readers online – asynchronou s mode 	
	150				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		down	Assessment (CA): Sit	
Assessment Module type	Continuous As	ssessment (CA)			

Programme		3736			
Module Name:		Numerical Ana	lysis 777		
Module Code		MAM777			
Proposed Semester(s) to be offered		First or Second Semester			
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable requiper week	uirements	Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	30	Lectures p.w.	2	P1 to P2 – Face to face	
Tutorials	0	Tutorial p.w.	0	0	
Practicals	15	Practicals p.w.	1	Face to face	
Assignments & tasks	25			IndividualTake home	
Assessments	8			Sit down	
Self- study	72			 Learning guides and course readers online – asynchronous mode 	
	150				
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module type	Continuous ar				

DEPARTMENT: MEDICAL BIOSCIENCE

Name of programm	e	BPharm 3305				
Module Name:		Human Biology for Pharmacy 113				
Module Code		HUB113				
Proposed Semester offered	r(s) to be	Semester 2				
NQF Credit Value		15				
Year level		Year 1				
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that does require timetable		
			Number of periods	timetable		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Onlin e P2 - Onlin e P3 - Face to Face		
Tutorials	13	Tutorial p.w	1	P1 – Face to face		
Practicals	24	Practicals p.w	2	P1 to P2 – Face to face		
Assignments & tasks	15			Individual Online/Sit down/take home		
Assessments	9			Sit down		
Self- study	38			 Learning guides and course readers online – asynchronous mode 		
Other	9					
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Asse Assessment (FA	essment (CA): 50% I A): 50%	Final	Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Name of programme Bachelor of N		Bachelor of Nur	rsing (8313)		
Module Name:		Human Biology for Nursing 114			
Module Code		HUB114			
Proposed Semester(s) to be offered		Both semester 1	1&2		
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable	
			Number of periods	- timetable	
Contact with lecturer/tutor	84	Lectures p.w.	3	Face to Face	
Tutorials	28	Tutorial p.w	1	Online	
Practicals	56	Practicals p.w	2	Face to Face	
Assignments & tasks	57			Individual online	
Assessments	12			Sit down	
Self- study	63			Learning guides and course readers	
	300				
		l			
Method of Student Assessment	=:		Continuous Assessment (CA): sit down		
				ment (FA):	
Assessment Module type	Continuous and Fin (CFA)	al Assessment			

Name of Programme		BSc Occupational Therapy (8111) BSc Physiotherapy (8211)				
Module Name:		Introduction to the Human Body I				
Module Code		HUB117				
Proposed Semester(s	s) to be	Semester 1				
NQF Credit Value		15				
Year level		Year 1				
Breakdown of Learning time	Hours	Timetable requi	irements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	Face to Face		
Tutorials	20	Tutorial p.w	1	Face to Face/Online		
Practicals	36	Practicals p.w	4	Face to Face		
	_	_	-			
Assignments & Tasks	10			Individual or GroupOnline/Sit Down/Take Home		
Assessments	12			Sit Down		
Self- Study	30			Learning guides and course readers.Online		
Other						
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit Down (All Tests) Online (Quiz & Assignments) Final Assessment (FA): Sit Down			
Assessment Module type	Continuous a	and Final Assessme	ent (CFA)			

Programme		Bachelor of Nu	ursing (8311)	
Module Name:		Human Biolog	y for Nursing I	
Module Code		HUB118		
Proposed Semes	ster(s) to be	Second Semester		
NQF Level Credi	ts	15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requ	uirements per	Teaching modes that does require timetable
			Number of periods	·
Contact with lecturer/tutor	68	Lectures p.w.	3	100% (All) – _Face to face
Tutorials	10	Tutorial p.w	1	100% (All) – _Face to face
Practicals	20	Practicals p.w	1	100% (All) – _Face to face
Assignments	0			None
& tasks	U			None
Assessments	11			Online & Sit down
Self- study	41			Learning guides and course readers
Total Learning Time				Online: various tools available
Method of	Continuous	assessment	Continuous Ass	sessment (CA): Online & Sit
Student	Student (CA): 50%		down	
Assessment		sment (FA): 50%	Final Assessme	ent (FA): Sit down
Assessment Module type	Continuous assessment (CFA)			

Name of program	me	Introduction to Human Biology				
Module Name:		HUB 123	UB 123			
Module Code		301123				
Proposed Semest	er(s) to be offered	First				
NQF Level Credits	3	15				
Year level		5				
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	75 hours	Lectures p.w.	3	Combination of online and face-to-face		
Tutorials	1 hour	Tutorial p.w	1	Face-to-face / in-person		
Practicals	3 hours	Practicals p.w	3	Face-to-face / in-person		
Assignments & tasks	22 hours			Online		
Assessments	Included in contact time			Sit-down / in-person		
Self- study	38 hours					
Method of Student Assessment	CA 50%, FA 50%		Sit-down / in-	-person tests and exam		
Assessment Module type	CFA		CEM (Theory 50% Examina = 50%	y and Practical Evaluations) = ation Mark		

Name of programme		Bachelor of Nur	Bachelor of Nursing (8313) Human Biology for Nursing 124 HUB124			
Module Name:		Human Biology				
Module Code		HUB124				
Proposed Semester(s)	to be offered	Both semester	1&2			
NQF Level Credits		15				
Year level		2				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	84	Lectures p.w.	3	Face to Face		
Tutorials	28	Tutorial p.w	1	Online		
Practicals	56	Practicals p.w	2	Face to Face		
Assignments & tasks	57			Individual online		
Assessments	12			Sit down		
Self- study	63			Learning guides and course readers		
	300					
Method of Student Assessment		Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): sit down ment (FA):		
Assessment		d Final Assessment				
Module type	(CFA)	(CFA)				

Name of Programme		BSc Occupationa BSc Physiothera				
Module Name:			Introduction to the Human Body I			
Module Code	dule Code HUB127					
Proposed Semester(s) to offered	be	Semester 2				
NQF Credit Value		15				
Year level		Year 1				
Breakdown of Learning time	Hours	Timetable require	ements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	Face to Face		
Tutorials	20	Tutorial p.w	1	Face to Face/Online		
Practicals	36	Practicals p.w	4	Face to Face		
Assignments & Tasks	10			Individual or GroupOnline/Sit Down/Take Home		
Assessments	12			Sit Down		
Self- Study	30			Learning guides and course readers.Online		
Other						
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit Down (All Tests) Online (Quiz & Assignments)			
				Final Assessment (FA): Sit Down		
Assessment	Continuous a	and Final Assessment (0	CFA)			
Module type						

Name of programi	me	Bachelor of Nur	Bachelor of Nursing (8311) Human Biology for Nursing II HUB128			
Module Name:		Human Biology				
Module Code		HUB128				
Proposed Semest	er(s) to be offered	Second Semest	er			
NQF Level Credits		15				
Year level		1				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	68	Lectures p.w.	3	100% (All) – Face to face		
Tutorials	10	Tutorial p.w	1	100% (All) – Face to face		
Practicals	20	Practicals p.w	1	100% (All) – Face to face		
Assignments & tasks	0			None		
Assessments	11			Online & Sit down		
Self- study	41			 Learning guides and course readers Online: various tools available 		
Method of Student Assessment		Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): down ment (FA):		
Assessment Module type	Continuous and Fi	Continuous and Final Assessment (CFA)				

Name of programm	e	Human Biology	for Nursing III - E	BNursing (8311)			
Module Name		Human Biology		3 ()			
Module Code		HUB218	•				
Proposed Semeste	r(s) to be offered	First Semester					
NQF Level Credits		20					
Year level		2					
Breakdown of Learning time	Hours	Timetable requ	irements per	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	44	Lectures p.w.	3	Face to Face			
Tutorials	14	Tutorial p.w	1	Face to Face			
Practicals	18	Practicals p.w	1	4 practical's Face to Face 2 practicals Online			
Assignments & tasks	15			Individual Online			
Assessments	9			Sit down and online			
Self-study	60						
Other: Library, online	40			Module organiserOnline video clips and learning material			
TOTAL Learning Time	200						
	Opation of Ass		OA - C'(1)	0 Oalina FA			
Method of	Continuous Assess Final Assessment	, ,	CA: Sit down Sit down	& Unline FA:			
Student	i iiai Assessinelii	(i A). 50 /6	Oit down				
Assessment Assessment Module type	Continuous and Fir (CFA)	nal Assessment					

Name of programme		Human Biolo	gy for Nursi	ng IV	
Module Name:		Human Biology			
Module Code		HUB228 Second Semester			
Proposed Semester(s) to	be offered				
NQF Level Credits		20			
Year level		2			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	44	Lectures p.w.	3	Face to Face	
Tutorials	14	Tutorial p.w	1	Face to face	
Practicals	18	Practicals p.w	1	4 Practicals Face to face and 2 Practicals Online	
Assignments & tasks	15			IndividualOnline	
Assessments	9			Sit down and Online	
Self- study	60				
Other: Please specify: Library, Online	40			 Module organiser Online video clips and learning material 	
Total Learning Time	200		5		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Online	s Assessment (CA): Sit down &	
Assessment Module type	Continuous and Final Assessment (CFA)				

Name of programme		BSc (Medical Bioscience); BSc (Dietetics) BSc (Sport and Exercise Science); BSc (Complementary Health Sciences)			
Module Name: Module Code		Introduction to the MBS111	ne Human Body I		
Proposed Semester(s) to be offered		Semester 1			
NQF Credit Value		15			
Year level		Year 1			
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does require	
			Number of periods	timetable	
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 – Online/face to face P2 – Online/face to face P3 - Face to Face	
Tutorials		Tutorial p.w	1	P1 – Face to face	
Practicals	42	Practicals p.w	4	P1 to P2 – Face to face	
Assignments & tasks	10			Individual/groupOnline/Sit down/take home	
Assessments	0			Sit down	
Self- study	27			 Learning guides and course readers online – asynchronous mode 	
Other	29				
TOTAL Learning Time	150				
Method of Student Assessment	Continuous As Assessment (F	ssessment (CA): 50% FA): 50%	Final	Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA):	
Assessment Module type	Continuous an	nd Final Assessment (0	CFA)	Sit down	

Name of programme Module Name:		Programmes in which the module is offered: BSc (Medical Bioscience) (3230,3035); BSc (Dietetics) (8231); BSc (Sport and Exercise Science) (8051); BSc (Complementary Health Sciences) (8104) Introduction to the Human Body 121			
Module Code		MBS121	Trainan De		
Proposed Semester(s)	to be offered	Second semest	·Ar		
NQF Level Credits	to be offered	15	.01		
Year level		1			
Breakdown of Learning time	Hours	Timetable requ	uirements	Teaching modes that does require timetable	
		week	Number of		
On the standy	0.7	Lastings	periods	Lastina A OC Francis	
Contact with lecturer/tutor	27	Lectures p.w.	3	Lectures 1-38: Face-to- face	
Tutorials	9	Tutorial p.w	1	Tutorials 1-12: Face-to- face Tutorial 13: Online	
Practicals	20	Practicals p.w	3 periods per practical	Practicals 1-4, 6-10: Face-to-face Practical 5: Online	
A	T 45		1		
Assignments & tasks	15			Online and take-home theory and practical assignments and tasks	
Assessments	9			Sit-down theory and practical tests, and exams	
Self- study	70			Learning guides, course readers and supplementary online material Online – asynchronous mode (e.g. narrations)	
TOTAL Learning	150				
Time					
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Online/Sit-down/take home Final Assessment (FA): Sit-down		
Assessment	Continuous and F	inal Assessment			
Module type			· · · · · · · ·		

Name of programme		Bachelor of Nui	rsing (8312)		
Module Name:		Microbiology fo	r Nurses 123		
Module Code		MBS123			
Proposed Semeste	er(s) to be offered	Second semest	er		
NQF Level Credits	NQF Level Credits				
Year level		1			
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	24	Lectures p.w.	2	P1- P2- Face to face	
Tutorials	12	Tutorial p.w	1	P1- Online	
Practicals	0	Practicals p.w	0		
Assignments & tasks	30			Group Online	
Assessments	10			Online & Sit down	
Self- study	24			 Learning guides and course readers Online – asynchronous mode 	
TOTAL Learning Time	100				
Method of Student Assessment	Continuous Assessment (CA):60 % Final Assessment (FA): 40 %		down	Assessment (CA): Online & Sit	
Assessment Module type	Continuous and Fir (CFA)	nal Assessment			

Name of programme		Bachelor of Nursing (8313)				
Module Name:		Microbiology for Nurses (ECP) 130 MBS130				
Module Code						
Proposed Semeste	r(s) to be offered	Year	Year			
NQF Level Credits		10				
Year level		2				
Breakdown of Learning time	Hours	Timetable requ week	irements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	84	Lectures p.w.	3	P1-P3-Face to face		
Tutorials	28	Tutorial p.w	1	P1-Online		
Practicals	0	Practicals p.w	0			
Assignments & tasks	30			GroupOnline		
Assessments	20			Online & Sit down		
Self- study	38			 Learning guides and course readers Online – asynchronous mode 		
TOTAL Learning Time	200					
Method of Student	Continuous Assessment (CA):60 %		down	ssessment (CA): Online & Sit		
Assessment	Final Assessment (FA): 40 %		Final Assessr	ment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Name of programme	e	BSc (Occupation	al therapy)		
Module Name:		Medical Bio-Sciences			
Module Code		MBS214			
Proposed Semester offered	r(s) to be	Semester 1			
NQF Credit Value		20			
Year level		Year 2			
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	24	Lectures p.w.	3	P1- Face to Face P2 - Online	
Tutorials	12	Tutorial p.w	1	P1 – Online	
Practicals	36	Practicalsp.w	1	P1 to P3 – Face to face	
Assignments & tasks	24			Individual/groupOnline/Sit down/take home	
Assessments	12			Online/Sit down/take home	
Self- study	42			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	150				
MethodofStuden t Assessment	Continuous Asse Assessment (FA	essment (CA): 50% A): 50%	Final	Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Online/Sit down/take home	
Assessment Module type	Continuous and	Final Assessment (CFA)		

Name of programme	e	BSc (Physiothera	py)			
Module Name:		Medical Bio-Sciences				
Module Code		MBS217				
Proposed Semester offered	(s) to be	Semester 1	Semester 1			
NQF Credit Value		20				
Year level		Year 2				
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	24	Lectures p.w.	3	P1- Face to Face P2 - Online		
Tutorials	12	Tutorial p.w	1	P1 – Online		
Practicals	36	Practicalsp.w	1	P1 to P3 – Face to face		
Assignments & tasks	24			Individual/group Online/Sit down/take home		
Assessments	12			Online/Sit down/take home		
Self- study	42			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Asse Assessment (FA	essment (CA): 50% I .): 50%	Final	Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Online/Sit down/take home		
Assessment Module type	Continuous and	Final Assessment (C	CFA)			

Name of programme		Medical Bioscie	ences 218			
Module Name:		Structure and for	Structure and function of the Human Body V MBS 218			
Module Code		MBS 218				
Proposed Semester(s) to be offered		Second semest	er			
NQF Level Credits	5	6 (20)				
Year level		2				
Breakdown of Learning time	Hours Total = 190	Timetable requi	irements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	Blended learning: a combination of online and in-person lectures		
Tutorials	0	Tutorial p.w	0			
Practicals	36	Practicals p.w	1	In-person / Face-to- Face practicals		
Assignments & tasks	10			Online		
Assessments	Included in contact time			In-person / sit-down assessments		
Self- study	50			N/A		
other	52					
Method of Student Assessment	Continuous and F	Continuous and Final Assessment		it-down assessments		
Assessment Module type	Continuous and F	Continuous and Final Assessment		Continuous (50%) and Final Assessment (50%)		

Name of programme		BSc. Medical Bioscience			
Module Name:		Introduction to t	he Human Bod	y III	
Module Code		MBS231			
Proposed Semester	(s) to be offered	Semester 1			
NQF Level Credits		20			
Year Level		Year 2			
Breakdown of Learning time	Hours	Timetable requir week	ements per	Teaching modes that does require a timetable	
		13	Number of periods		
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 – Online	
lecturer/tutor				P2 – Face to face P3 – Face to face	
Tutorials	13	Tutorial p.w	1	P1 – Face to face	
Practical's	51	Practical's p.w	3	P1 to P3 – Face to face	
			•		
Assignments & tasks	8			IndividualTake home (Online)	
Assessments	3			Take home (online)	
Self- study	50			Learning guides and course readers	
Total Learning Time	165				
			1		
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Online/take home Final Assessment (FA): Online/take home		
Assessment Module type	Continuous and Fir (CFA)	al Assessment			

Name of programi	ne	Bachelor of Sci	ence in Medical	I Bioscience	
Module Name:		Medical Bioscie	ence 232		
Module Code		MBS 232			
Proposed Semest	er(s) to be offered	Semester 2			
NQF Level Credits Year level		20			
		Year 2			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	87	Lectures p.w	3	Online / F2F (Lecturer of each section will decide)	
Tutorials		Tutorial p.w			
Practicals	51	Practicals p.w	2	All practicals – F2F	
Assignments & tasks					
Assessments	12			All assessments – F2F	
Self- study & Revision	50			 Student revision of course content Revision conducted by each lecturer (Q&A) Learning guides in the course reader & lecture notes 	
TOTAL Learning Time	200				
Method of Student Assessment		Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Assessment (CA): Sit down ment (FA): Sit down	
Assessment Module type	Continuous and Fi	Continuous and Final Assessment (CFA)			

- The module does not have tutorial periods assigned on the department timetable.
- The module does not have an assignment / task component.

Name of programme		Bachelor of Sci	Bachelor of Science in Medical Bioscience			
Module Name:		Medical Bioscie	Medical Biosciences 331			
Module Code		MBS331				
Proposed Semester(s) to be offered		1st				
NQF Level Credit	s	30				
Year level		Year 3				
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	60	Lectures p.w.	5	P1 to P4 – Face to Face P5 - online		
Tutorials	12	Tutorial p.w	1	P1 – Face to Face		
Practicals	96	Practicals p.w	8	P1 to P8 – Face to Face		
Assignments & tasks	60			Individual or groupTake home		
Assessments	7			Sit down		
Self- study	65			 Learning guides and Lecture notes/video Online – asynchronous mode 		
Method of Student Assessment		Continuous Assessment (CA): 50% Final Assessment (FA): 50%		assessment (CA): Sit ome/online Final (FA):		
Assessment Module type	Continuous and Fi	inal Assessment				

Name of programme Module Name:		MBS 332			
		Impact of Lifestyle on Cardiopulmonary Systems & Metabolism			
Module Code		325332			
Proposed Semes	ter(s) to be offered	Second semest	er		
NQF Level Credits	s	30			
Year level		3rd year			
Breakdown of Learning time	Hours	Timetable requi	irements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	100	Lectures p.w.	3	P1-3: Face to face	
Tutorials	"None allocated in descriptor prior to COVID"	Tutorial p.w	2	P1-P2: Face to face	
Practicals	112	Practicals p.w	3	P1-P3: Face to face	
Assignments & tasks	45			Individual/group Online/Sit down/take home	
Assessments	3			Online / Sit down	
Self- study	40			Learning guides and course readers online –asynchronous mode	
Method of	Continuous Assess			Assessment (CA):	
Student Assessment	Final Assessment	Final Assessment (FA): 50%		own/take home <i>Final</i> (<i>FA</i>):	
Assessment Module type	Continuous and Fin	nal Assessment			

Based on 7 week term

Name of programme		BSc Medical Biosciences			
Module Name:		Medical Microbiology 251			
Module Code Proposed Semester(s) to be offered		MIC 251 Semester 1			
Year level		Year 2			
Breakdown of Learning time	Hours	Timetable requiren	nents per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 to P2 -Face to Face P3- Online	
Tutorials	10	Tutorial p.w	1	P1 – Online	
Practicals	78	Practicals p.w	2	P1 to P2 – Face to face	
Assignments & tasks	11			Individual/groupOnline/take home	
Assessments	9				
Self- study	50			 Learning guides and course readers online –asynchronous mode 	
TOTAL Learning Time	200				
Method of Student Assessment	tests, assignmer	essment: 50% (Theory nts) nt: 50% (2 X 1½ hour			
Assessment Module type	Continuous and	Final Assessment (CF	FA)		

Name of programme		BSc Medical Biosciences			
Module Name:		HOST-PARASIT	HOST-PARASITE INTERACTIONS		
Module Code		MIC252			
Proposed Semeste	er(s) to be offered	Semester 2			
NQF Level Credits Year level		20			
		2 nd Year			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1&2 Face to Face P3 Online	
Tutorials		Tutorial p.w			
Practicals	56	Practicals p.w	4	All face to face	
Assignments & tasks					
Assessments	4			Sit down tests/Supervised online Tests/Hands-on Proficiency assessments	
Self- study	50			Study Notes provided	
Total Learning Time	152				
Method of Student Assessment	Continuous Assessment (CA):50% Final Assessment (FA):50%		Tests/Hands assessments	tests/Supervised online -on Proficiency Exam/Supervised online	
Assessment Module type	Continuous and Fi	nal Assessment			

Name of programme		BSc Medical Biosciences			
Module Name:		Infections Caused by Prokaryotic and Obligatory Intracellular Pathogens MIC353			
Module Code					
Proposed Semeste	er(s) to be offered	1st Semester			
NQF Level Credits		30			
Year level		3			
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 – Face to face P2-P3 - online	
Tutorials	14	Tutorial p.w	1	P1 – Face to face	
Practicals	84	Practicals p.w	2	P1-P2 – Face to face	
Assignments & tasks	48			Individual/groupOnline/take home	
Assessments	12			Sit down	
Self- study	100			 Learning guides and course readers online – asynchronous mode 	
TOTAL Learning Time	300				
Method of Student Assessment	Continuous assessment: 50% Final assessment: 50%			Assessment (CA): Sit down ment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

FACULTY OF NATURAL SCIENCES

Based on 7-week term

Name of programm	Name of programme BSc Medical Biosciences				
Module Name:		Infections Caused by Prokaryotic Parasites			
Module Code		MIC 354			
Proposed Semeste offered	r(s) to be	Semester 2			
NQF Credit Value		30			
Year level		Year 3			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 to P2 -Face to Face P3- Online	
Tutorials	12	Tutorial p.w	1	P1 – Online	
Practicals	72	Practicals p.w 2		P1 to P2 – Face to face	
Assignments & tasks	40			Individual/group Online/take home	
Assessments	9			Sit-Down Tests and Exams	
Self- study	70			Case Studies online –asynchronous mode	
Other	55			Individual/group Online/take home	
TOTAL Learning	300				
Time					
Method of Student Assessment	tests, assignmer	essment: 50% (Theornts) nt: 50% (2 X 1½ hour			
	200000				
Assessment Module type	Continuous and	Final Assessment (C	FA)		

Name of programme		Bachelor in Dental Surgery III (BDS III)				
Module Name:		Microbiology fo	or Dentistry 355			
Module Code		MIC 355				
Proposed Semeste	er(s) to be offered	Year Module	Year Module			
NQF Level Credits		20				
Year level		Year 3				
Breakdown of Learning time	Hours	Timetable requi	irements per	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	60	Lectures p.w.	3	P 1 and P 2 – Face to face P 3 - Online		
Tutorials	0	Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	0					
Assessments	6			Sit down		
Self- study	100			Learning guides and course readers		
Other	40			Library, internet, administration		
Method of	Continuous Evalua	ation (CEM): 50%	Four sit-dow	n Tests and a Final Exam		
Student	Final Examination	, ,	. ca. c. down			
Assessment						
Assessment Module type	Continuous and Fi	Continuous and Final Assessment (CFA)				

Name of programn	ne						
Module Name:		Applied Physiology for Dietetics I					
Module Code		PSE319	PSE319				
Proposed Semeste offered	er(s) to be	Semester 1					
NQF Credit Value		5					
Year level		Year 3					
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	21	Lectures p.w.	2	P1 - Face to Face P2 - Online			
Tutorials	0	Tutorial p.w	0	0			
Practicals	0	Practicals p.w	0	0			
Assignments & tasks	0						
Assessments	7.5			Online/Sit down/			
Self- study	28.5			 Learning guides and course readers online –asynchronous mode 			
TOTAL Learning Time	50						
Method of Student Assessment	Continuous Ass Assessment (F	sessment (CA): 50% A): 50%	Continuous Assessment (CA): Online/Sit down Final Assessment (FA): Online/Sit down				
Assessment Module type	Continuous and	Final Assessment (0	CFA)				

Name of programn	ne						
Module Name:		Applied Physiology for Dietetics II					
Module Code		PSE329	PSE329				
Proposed Semeste offered	er(s) to be	Semester 1					
NQF Credit Value		5					
Year level		Year 3					
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	21	Lectures p.w.	2	P1 - Face to Face P2 - Online			
Tutorials	0	Tutorial p.w	0	0			
Practicals	0	Practicals p.w	0	0			
Assignments & tasks	0						
Assessments	7.5			Online/Sit down/			
Self- study	28.5			 Learning guides and course readers online –asynchronous mode 			
TOTAL Learning Time	50						
Method of Student Assessment	Continuous Ass Assessment (F	sessment (CA): 50% A): 50%	Continuous Assessment (CA): Online/Sit down Final Assessment (FA): Online/Sit down				
Assessment Module type	Continuous and	d Final Assessment (0	CFA)				

DEPARTMENT: Physics and Astronomy

Programme		BSc (Physiothera	ру) 8211			
Module Name:		Physics 106				
Module Code		PHY106				
Proposed Semester(s) to be offered		Semester 2				
NQF Credit Value		15				
Year level		Year 1				
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	14	Tutorial p.w	1	P1 – Face to face		
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face		
			·			
Assignments & tasks	0					
Assessments	9			Sit down		
Self- study	43			 Course textbook Scaffolded online learning materials – asynchronous mode 		
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (C				

Name of programme		3233, 3277, 3220,	3221		
Module Name:		Physics 111 PHY111			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Credit Value		15			
Year level		Year 1			
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with	42	Lectures p.w.	3	P1 - Face to Face	
lecturer/tutor				P2 – Face to Face	
				P3 – Face to Face	
Tutorials	14	Tutorial p.w	1	P1 – Face to face	
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	0				
Assessments	9			Sit down	
Self- study	43			Course textbook	
				Scaffolded online	
				learning materials –	
				asynchronous mode	
TOTAL Learning Time	150				
Method of Student		essment (CA): 60%	Continuous Assessment (CA):		
Assessment	Final Assessmer	nt (FA): 40%		Sit down/online	
				Final Assessment (FA):	
				Sit down	
Assessment	Continuous and	Final Assessment (C	FA)		
Module type					

Name of programme		BPharm (3305)			
Module Name:		Physics 112			
Module Code		PHY112			
Proposed Semester(s) to be offered		Semester 2			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning	Hours	Timetable requires	ments per week	Teaching modes that does	
time			Number of periods	require timetable	
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 – Face to Face P2 – Face to Face P3 – Face to Face	
Tutorials	14	Tutorial p.w	1	P1 – Face to Face	
Practicals	42	Practicals p.w	3	P1 to P3 – Face to Face	
Assignments & tasks	0				
Assessments	9			Sit down	
Self- study	43			Course textbook Scaffolded online learning materials –asynchronous mode	
Total Learning Time	150				
Method of Student Assessment	Continuous Assessment (CA): 60 % Final Assessment (FA): 40 %		Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down		
Assessment Module type	Continuous Assessmer				

Programme		BDS 5101			
Module Name:		Physics 113 PHY113			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Level Credits		15			
Year level		Year 1			
Breakdown of Learning time	Hours	Timetable requi week	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face	
Tutorials	14	Tutorial p.w	1	P1 – Face to face	
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks					
Assessments	9			Sit down	
Self-study	43			Course textbook Scaffolded online learning materials –asynchronous mode	
TOTAL learning time	150				
				•	
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		down/online	ssessment (CA): Sit ment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		8313 Extended curriculum programme			
Module Name:		Physics 115 PHY115			
Module Code					
Proposed Semester(s) to be offered		Both Semesters			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable require	ments per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	84	Lectures p.w.	3	P1 - Face to Face P2 – Face to Face P3 – Face to Face	
Tutorials	56	Tutorial p.w	2	P1 - Face to Face P2 – Face to Face	
Practicals	0	Practicals p.w	0		
Consultation	28			Face to Face	
Assignments & tasks	40			Sit down & take home/online	
Assessments	12			Sit down	
Self- study	80			Course Reader Scaffolded online learning materials	
Total Learning Time	300				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down Final Assessment (FA):Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3214, 3211, 3211, 3331, 3227			
Module Name:		Physics 116 PHY116			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Credit Value		15			
Year level		Year 1			
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with	42	Lectures p.w.	3	P1 - Face to Face	
lecturer/tutor				P2 – Face to Face	
				P3 – Face to Face	
Tutorials	14	Tutorial p.w	1	P1 – Face to face	
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	0			Sit down & take home/ online	
Assessments	9			Sit down	
Self- study	43			Course textbook Scaffolded online learning materials – asynchronous mode	
TOTAL Learning Time	150				
Method of Student Assessment	Continuous Asse Final Assessmen	essment (CA): 60% nt (FA): 40%	Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (C			

Programme		Bachelor of Nursing (8313)				
Module Name:		Physics 118	Physics 118			
Module Code		PHY118				
Proposed Semester(s) to be offered		Semester 1				
NQF Credit Value		15				
Year level		Year 1				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with	42	Lectures p.w.	3	P1 - Face to Face		
lecturer/tutor				P2 – Face to Face		
				P3 – Face to Face		
Tutorials	14	Tutorial p.w	1	P1 – Face to face		
Practicals	0	Practicals p.w	0			
Assignments & tasks	14					
Assessments	6			Sit down		
Self- study	74			Course textbook Scaffolded online learning materials – asynchronous mode		
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Programme		3233, 3120, 3214, 3011, 3220, 3019, 3221, 3023, 3227, 3031			
Module Name:		Physics 121			
Module Code		PHY121			
Proposed Semester	r(s) to be offered	Semester 2			
NQF Credit Value		15			
Year level		Year 1			
Breakdown	Hours	Timetable requiren	nents per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with	42	Lectures p.w.	3	P1 - Face to Face	
lecturer/tutor				P2 – Face to Face	
				P3 – Face to Face	
Practicals	42	Practicals p.w	3	P1 to P3 – Face to face (including report preparation)	
Tutorials	0 (incorrect – could bring the 14 hours from assignments)	Tutorials p.w.	1	PI – Face to face	
Assignments & tasks	14			Take home/online	
Assessments: Tests & Examinations	9			Sit down class tests, tutorial tests, examinations	
Self- study	43			Course textbook Scaffolded online learning materials – asynchronous mode	
Other	0			•	
TOTAL Learning Time	150				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down	
Assessment Module type	Continuous and	Final Assessment (CF	FA)		

Programme		3214, 3211, 3221, 3331, 3227 Physics 126 PHY126			
Module Name:					
Module Code					
Proposed Semester(s) to be offered		Semester 2			
NQF Level Credits		15			
Year level		1			
Breakdown of Learning time	Hours	Timetable require week	ments per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Face-to-face P3 - Face-to-face	
Tutorials	14	Tutorial p.w	1	P1 - Face-to-face	
Practicals	42	Practicals p.w	3	P1 – P3 Face-to-face	
Assignments & tasks	0				
Assessments	9			Sit down	
Self- study	43			 Course textbook Scaffolded online learning materials – asynchronous mode 	
Total Learning Time	150				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme 30		3011, 3019, 3023, 3031, 3120			
Module Name:		Physics 151			
Module Code		PHY151			
Proposed Semes	ter(s) to be offered	Both Semesters			
NQF Level Credits	S	15			
Year level		Year 1			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
ume		Number of periods			
Contact with lecturer/tutor	84	Lectures p.w.	3	ALL Face to Face	
Tutorials	28	Tutorial p.w	1	Face to Face	
Practicals	84	Practicals p.w	3	ALL Face to Face	
Assignments & tasks	0				
Assessments	18			Face to face	
Self- study	86			At home via textbook and scaffolded material on iKamva	
150					
	-				
Method of Continuous Assess			Continuous Assessment (CA): Sit down/online		
Student Final Assessment		(FA): 40%	Final Assess	ment (FA):	
Assessment			Sit down		
Assessment	Continuous and Fi	nal Assessment			
Module type	(CFA)				

Programme		3011, 3019, 3023, 3031, 3120			
Module Name:		Physics 152 PHY152			
Module Code					
Proposed Semester(s) to be offered		Both Semesters			
NQF Level Credits		15			
Year level		Year 1			
Breakdown of Learning time	Hours	Timetable requirer	ments per	Teaching modes that does require timetable	
ume			Number of periods		
Contact with lecturer/tutor	84	Lectures p.w.	3	ALL Face to Face	
Tutorials	28	Tutorial p.w	1	Face to Face	
Practicals	84	Practicals p.w	3	ALL Face to Face	
	T -	ı			
Assignments & tasks	0				
Assessments	18			Open book supervised in venue	
Self- study	86			At home via textbook and scaffolded material on iKamva	
Total learning time	150				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down/online		
			Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Fina	al Assessment (CFA)			

Programme		3233, 3120, 3220, 3019, 3221, 3023, 3227, 3031			
Module Name:		Physics 212 PHY212			
Module Code					
Proposed Semester(s)	to be offered	1 st semester			
NQF Level Credits		20			
Year level		2nd year			
Breakdown of Learning time	Hours	Timetable requ week	irements per	Teaching modes that does require timetable	
unc			Number of periods		
Contact with lecturer/tutor	56	Lectures p.w.	3	P1 - Face-to-face P3 - Face-to-face	
Tutorials		Tutorial p.w	1	P1 - Face-to-face	
Practicals/experiment al	30	Practicals p.w	4	P1 – P4 Face-to-face	
Assignments & tasks	42			Take home/online	
Assessments	6			Sit down	
Self- study	57			Scaffolded materials on iKamva and library materials	
Other: Practical consultation	9				
Total learning time	200				
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment: 40%		Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3233, 3120, 3220, 3019, 3221, 3023, 3227, 3031, 3331			
Module Name:		Physics 217 PHY217			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Level Credits		20			
Year level		Year 2			
Breakdown of Learning time	Hours	Timetable requ week	irements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w. 3		P1 – Online (synchronous, recorded) P2 – Face to Face P3 – Face to Face	
Tutorials	14	Tutorial p.w	1	P1 – Face to face	
Practicals	56	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	14			Take home/online	
Assessments	6			Sit down	
Self- study	68			Course textbook Scaffolded online learning materials –asynchronous mode	
TOTAL learning	200				
time					
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		down/online	ssessment (CA): Sit ment (FA):Sit down	
Assessment Module type	Continuous and Fin (CFA)	al Assessment			

Programme		BSc (Occupational Therapy) 8111				
Module Name:		Physics 218				
Module Code		PHY218				
Proposed Semester	Proposed Semester(s) to be offered					
NQF Credit Value		15				
Year level		Year 2				
Breakdown	Hours	Timetable require	ments per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with	42	Lectures p.w.	3	P1 - Face to Face		
lecturer/tutor				P2 – Face to Face		
				P3 – Face to Face		
Tutorials	14	Tutorial p.w	1	P1 – Face to face		
Practicals	0	Practicals p.w	0			
			·			
Assignments & tasks	14					
Assessments	6			Sit down		
Self- study	74			Course textbook		
				Scaffolded online		
				learning materials –		
				asynchronous mode		
TOTAL Learning Time	150					
Method of Student		essment (CA): 60%	I	Continuous Assessment (CA):		
Assessment	Final Assessment (FA): 40%			Sit down/online Final Assessment (FA): Sit down		
Assessment	Continuous and Final Assessment (CFA)					
Module type						

Programme		3233, 3120, 3220, 3019, 3221, 3023, 3227, 3031			
Module Name:		Physics 222 PHY222			
Module Code					
Proposed Semester(s) to be offered		Semester 2			
NQF Level Credits		20			
Year level		Year 2			
Breakdown of Learning time	Hours	Timetable requi	rements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Face to Face P2 – Face to Face P3 – Face to Face	
Tutorials	14	Tutorial p.w	1	P1 – Face to face	
Practicals	56	Practicals p.w	3	P1 to P3 – Face to face	
Assignments & tasks	14			Take home/online	
Assessments	6			Sit down	
Self- study	68			Course textbook Scaffolded online learning materials –asynchronous mode	
TOTAL learning time	200				
				•	
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down/online Final Assessment (FA):Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)				

Programme		3233, 3120, 3220, 3019, 3221, 3023, 3227, 3031, 3331, 3027			
Module Name:		Physics 227 PHY227			
Module Code					
Proposed Semeste	r(s) to be offered	Semester 2			
NQF Level Credits Year level		20			
		Year 2			
Breakdown of Learning time	Hours	Timetable requ	irements per	Teaching modes that does require timetable	
umo			Number of periods		
Contact with lecturer/tutor Lectures (42 hours)	56 (broken the time between lectures and tuts, to get hours for	Lectures p.w.	3	P1 - Face to Face P2 – Face to Face P3 – Face to Face	
Tutorials (14 hours)	tuts)	Tutorial p.w	1	P1 – Face to face	
Practicals	56	Practicals p.w	1	P1 to P3 – Face to face	
Assignments & tasks	14			Take home/online	
Assessments	6			Sit down	
Self- study	52			Course textbook Scaffolded online learning materials –asynchronous mode	
Other: Project & presentation	16				
TOTAL learning time	200				
	l	1		l	
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down/online Final Assessment (FA): Sit down		
Assessment Module type	Continuous and Fina	al Assessment			

Should be presented to SAP in 2023 for 2024 changes not on these forms

Programme		BSc (Physical Science), BSc (Computer Science)			
Module Name:		Introduction to Quantum & Nuclear Physics PHY312			
Module Code					
Proposed Semester(s) to be offered		Semester 1			
NQF Credit Value		30			
Year level		Year 3			
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does	
of Learning time			Number of periods	require timetable	
Contact with	56 (broken the	Lectures p.w.	3	P1 - Face to Face	
lecturer/tutor Lectures (42	time between lectures and			P2 – Face to Face	
hours)	tuts, to get			P3 – Face to Face	
Tutorials (14 hours)	hours for tuts)	Tutorial p.w	1	P1 – Face to face	
Practicals	56	Practicals p.w	4	P1 to P4 – Face to face	
Assignments &	60			Individual/group	
tasks				Sit down/take home	
Assessments	10			Sit down/take home	
Self- study	118			Course textbooks/notes	
				Online learning materials in	
				iKamva –asynchronous mode	
TOTAL Learning	300				
Time					
Method of Student		essment (CA): 50%	1	Continuous Assessment (CA):	
Assessment	Final Assessmer	nt (FA): 50%		Sit down/take home	
				Final Assessment (FA):	
				Sit down	
Assessment	Continuous and	Final Assessment (0			
Module type					

Programme		BSc (Physical Science), BSc (Computer Science)				
Module Name:		Physics 322: Solid state physics & Statistical physics PHY322				
Module Code						
Proposed Semester(s) to be offered		Semester 2				
NQF Credit Value		30				
Year level		Year 3				
Breakdown	Hours	Timetable require	ements per week	Teaching modes that does		
of Learning time			Number of periods	require timetable		
Contact with	56 (broken the	Lectures p.w.	3	P1 - Face to Face		
lecturer/tutor Lectures (42	time between lectures and			P2 – Face to Face		
hours)	tuts, to get			P3 – Face to Face		
Tutorials (14 hours)	hours for tuts)	Tutorial p.w	1	P1 – Face to face		
Practicals	56	Practicals p.w	4	P1 to P4 – Face to face		
Assignments &	30			Individual/group		
tasks				Sit down/take home		
Assessments	12			Sit down/take home		
Self- study	146			Course textbooks/notes		
				Online learning materials in		
				iKamva –asynchronous mode		
TOTAL Learning	300					
Time						
Method of Student Assessment	Continuous Asse Final Assessmen	essment (CA): 50% at (FA): 50%	1	Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous and	Final Assessment (C	CFA)			

Programme		3233, 3120, 322	1, 3023				
Module Name:		Physics 317					
Module Code		PHY317					
Proposed Semester	(s) to be offered	Semester 1	Semester 1				
NQF Level Credits		30					
Year level		Year 3					
Breakdown of Learning time	Hours	Timetable requ week	irements per	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face			
Tutorials	0	Tutorial p.w	1	P1 – Face to face			
Practicals	70	Practicals p.w	4	P1 to P4 – Face to face (including report preparation)			
Assignments & tasks	36			Take home/online			
Assessments	6			Sit down class tests, tutorial tests			
Self- study	126			Course textbook Scaffolded online learning materials –asynchronous mode			
Other	28						
TOTAL learning time	308						
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down/online/take home Final Assessment (FA):Sit down				
Assessment Module type	Continuous and Fina (CFA)	al Assessment					

Programme		BSc (Physical S	Science), BSc (C	Computer Science)		
Module Name:		Physics 327				
Module Code		PHY327 Semester 2 30				
Proposed Semester	(s) to be offered					
NQF Level Credits						
Year level		Year 3				
Breakdown of Learning time	Hours	Timetable requ week	Number of	Teaching modes that does require timetable		
			periods			
Contact with lecturer/tutor	42	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	14	Tutorial p.w	1	P1 – Face to face		
Practicals	56	Practicals p.w	4	P1 to P4 – Face to face		
Assignments & tasks	14			Take home/online		
Assessments	6			Sit down class tests, tutorial tests		
Self- study	168			Course textbook Scaffolded online learning materials –asynchronous mode		
TOTAL learning	300					
time						
Mothed of Ctudent	Continuous Assess	nont (CA): COO/	Continuous	accoment (CA), C:t		
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Sit down/online/take home Final Assessment (FA):Sit down			
Assessment Module type	Continuous and Fina (CFA)	al Assessment				

DEPARTMENT: School of Pharmacy (B.Pharm)

1. Pharmacology and Clinical Pharmacy

Name of programme Bachel		Bachelor of	of Pharmacy - B.Pharm (3305)			
Module Name			cology and Clinical Pharmacy 123			
Module Code		PHC123	<u> </u>			
Proposed Ser be offered	Proposed Semester(s) to Second Se		ester			
NQF Level Cr	edits	15				
Year level		1				
Breakdown	Hours	Timetable		Teaching modes that does require		
of Learning		requirement	s per	timetable		
time		week				
			Number of			
			periods			
Contact with lecturer/tutor	56	Lectures p.w.	3	3 x Face-to-face		
Tutorials	0	Tutorial p.w 1		1 x Face-to-face		
Practicals	0	Practicals 0 p.w				
Assignments & tasks	16			Group work/presentation		
Assessments	6			Face-to-face/Online		
Self- study	72			Learning guides and course readers		
TOTAL Learning	150					
Time						
Method of	Continuous A	ccccmont	Continue	us Assessment (CA): Online Sit down 9 take		
	Continuous Assessment		Continuous Assessment (CA): Online, Sit down & take			
Student	(CA): 50% Final		home			
Assessment	Assessment	` '	Final Assessment (FA): Sit down			
Assessment Module type	Continuous a Assessment		CFA			

Name of programme		Bachelor of Pharmacy - B.Pharm (3305)				
Module Name		Pharmacology and Clinical Pharmacy 213 PHC213				
Module Code						
	Proposed Semester(s) to be offered					
NQF Level Cr	edits	15				
Year level	110	Z		Tarabian madaa that daga namina		
Breakdown of Learning	Hours	Timetable red	quirements	Teaching modes that does require		
time		week		timetable		
unic		WEEK	Number of			
			periods			
Contact with	42	Lectures p.w.	2	1 x Face to Face		
lecturer/tutor			_	1 x Online		
Tutorials	0	Tutorial p.w	0	0		
Practicals	20	Practicals p.w	1	P1 – P3 Face to Face		
Assignme	10			Individual or group		
nts &				Online/ take home / sit down		
tasks						
Assessments	6			Online/ take home / sit_down		
Self- study	72			Textbooks (online)		
				Treatment guidelines		
				Lecture content – online,		
				asynchronous		
				Additional videos, reading etc		
	150					
	1 .00	1				
Method of	Continuous Assessment		Continuous A	ssessment (CA): online quizzes, take home		
Student	(CA): 50% Fir	nal		and cases; sit-down semester tests.		
Assessment	Assessment (ssment (FA): sit down		
Assessment	Continuous ar	nd Final	CFA			
Module type	Assessment (

Name of prog	ramme	Bachelor of Ph	armacy - B.Pharr	n (3305)			
Module Name		Pharmacology and Clinical Pharmacy 223 PHC223					
Module Code							
Proposed Ser	mester(s) to	2					
be offered							
NQF Level Cr	edits	15					
Year level		Second					
Breakdown	Hours	Timetable requ	irements per	Teaching modes that does			
of Learning		week		require timetable			
time			Number				
			of periods				
Contact with lecturer/tutor	42	Lectures p.w.	3	2 Online, 1 Face to face			
Tutorials	20	Tutorial p.w	1	1 – Face To face			
Practicals	29	Practicals p.w	1	P1 - P4 Face to face			
Assignments & tasks	16			Group take home assignment			
Assessments	6			Sit down			
Self- study	57			Study Guide directed reading and learning through: asynchronous engagement with online textbooks, supplied video lectures, discussion forums and supplied coursework/reading.			
Total Learning	150						
time							
Method of Student	Continuous A 50%	ssessment (CA):	Continuous AssOnline Qui				
Assessment	Final Assessr	ment (FA): 50%	Sit down T	ests			
7.00000	ssessment Final Assessment (FA): 50%			e Assignments			
			Final Assessme • Sit down	nt (FA):			
Assessment	Continuous a		CFA				
Module type	Assessment ((CFA)					

Name of prog	gramme	Bachelor of	Pharmacy - B	.Pharm (3305)		
Module Name		Pharmacology and Clinical Pharmacy 313				
Module Code		PHC313				
Proposed Se	Proposed Semester(s) to					
be offered						
NQF Level Cr	edits	15				
Year level		3				
Breakdown	Hours	Timetable re	equirements	Teaching modes that does require timetable		
of Learning		per				
time		week	1			
			Number of			
			periods	D2		
Contact with	42	Lectures	3	P2 – Face		
lecturer/tutor		p.w.		to face		
-		+		P1 – Online		
Tutorials	0	Tutorial p.w		D4 D4 Feet to Feet		
Practicals	18	Practicals		P1 – P4 Face to Face		
		p.w				
Assignme	16		I	Individual/group		
nts &				Online/Sit-down/take home		
tasks				• Offilitie/Oil-down/take florite		
Assessments	6			Online/Sit-down/Take home		
7.0000011101110				• Offinite, oil down, rule from		
Self- study	68			Learning guides, taythooks and treatment		
Sell- Study	00			Learning guides, textbooks and treatment guidelines		
				guidelines		
TOTAL	150					
Learning	130					
Time						
	1	1	1			
Method of	Continuous A	ssessment Continuous A		ssessment (CA): Online Quizzes /Sit-down Tests		
Student	(CA): 50% Final		/Take-home 0			
Assessment	Assessment (FA): 50%		ment (FA): Sit-down		
Assessment	Continuous a	nd Final	CFA	Smort (171). Oil down		
Module type	Assessment (3. 7.			
module type	ASSESSITIETT (OF A)					

Module Name:		Pharmacology and Clinical Pharmacy 323					
Module Code		PHC323					
Proposed Se	Proposed Semester(s) to		2				
be offered							
NQF Level Cr	edits	15					
Year level		Third					
Breakdown	Hours	Timetable re	equirements per	Teaching modes that does require			
of Learning		week		timetable			
time			Number of				
			periods				
Contact with	42	Lectures	3	Face to face			
lecturer/tutor		p.w.					
Tutorials	0	Tutorial p.w	0	0			
Practicals	18	Practicals	4	Face to face			
		p.w					
Assignments	16						
&							
tasks				0			
Assessments	6			Sit down			
Self- study	68			Online			
Total	150						
	10		la				
Method of	Continuous Assessment		Sit down and Online				
Student	(CA): 50%						
Assessment Final Assessment (FA):							
	50%	_ <u></u>					
Assessment	Continuous a		CFA				
Module type	Assessment (CFA)					

Module Name	Module Name:		Pharmacology and Clinical Pharmacy 403				
Module Code		PHC403					
Proposed Ser be offered	Proposed Semester(s) to be offered		First and Second				
NQF Level Cr	edits	8					
Year level		4th					
Breakdown	Hours	Timetable re	equirements per	Teaching modes that does require			
of Learning		week		timetable			
time			Number of				
			periods				
	56	Lectures	1	P1 - Face to Face			
		p.w.					
Operator at social							
Contact with lecturer/tutor							
Tutorials	1	Tutorial p.w	1	P1 – Face to face			
Tutoriais	0	Tutonai p.w	'	r i – i ace to lace			
Practicals	0	Practicals	0				
. radiidaid		p.w					
Assignme	40			Individual/group			
nts &				Online/Sit down/take home			
tasks							
Assessments	5			Online/Sit down/take			
				home			
Self- study	39			Online –asynchronous			
				mode			
	150						
	T		T	(21)			
	Method of Continuous			essment (CA): Online/Sit			
Student	Assessment (CA): 80%			Final Assessment (FA):			
Assessment	Final Assessr	ment (FA):	Sit down				
	20%						
Assessment	Continuous a	nd Final	CFA				
Module type	Assessment (CFA)					

Name of prog	ramme	Bachelor of	of Pharmacy - B.Pharm (3305)			
Module Name):	Pharmacology and Clinical Pharmacy 405				
Module Code		PHC405				
	Proposed Semester(s) to					
be offered						
NQF Level Cr	edits	30				
Year level	Laa	4				
Breakdown	Hours		equirements	Teaching modes that does require		
of Learning		per		timetable		
time		week	Ni	_		
			Number of			
0 - 1 - 1 - 11	444	1	periods			
Contact with lecturer/tutor	144	Lectures	0			
Tutorials		p.w.	1	D4		
Practicals	0	Tutorial p.w Practicals	1	P1 0		
Practicals	U	practicals p.w	1	0		
		μ.w				
Assignme	64		T	Individual / group		
nts &	0-1			Take home cases and assignments		
tasks				Take nome edges and doorgiments		
Assessments	28			Sit down		
Self- study	6 4			Textbooks, treatment		
	4					
				guidelines, published medical literature		
				available via UWC library electronic		
				databases		
	300					
	•	•	•			
Method of	Continuous		Continuous As	ssessment (CA): take home		
Student	Assessment (CA):100%		cases and ass	signments; sit down semester tests.		
Assessment	Final Assessr	•				
	0%	- (
Assessment	Continuous as	ssessment	CA			
Module type	(CA)	Joodonnont				
would type	(5/1)					

Name of program	me	Bachelo	or of Pharmacy - B	.Pharm (3305)			
Module Name:		Pharmacology and Clinical Pharmacy 423					
Proposed Semes	ter(s) to be	Semester 1					
offered							
NQF Level Credit	s	15					
Year level		4					
Breakdown of	Hours		le requirements	Teaching modes that does require			
Learning time		per		timetable			
		week					
			Number of				
			periods				
Contact with	84	Lecture	3	P2 – Face to Face			
lecturer/tutor		s p.w.		P1 – Online			
Tutorials	0	Tutorial					
		p.w					
Practicals	0	Practica	4	P1-P4 – Face to Face			
		ls p.w					
A : 0		I					
Assignments & tasks	0						
Assessments	40			Online/Sit-down/Take home			
Self- study	26			 Learning guides, reference 			
				material			
TOTAL Learning	150						
Time							
Method of	Continuous			sment (CA): Online			
Student	Assessment (CA):		Quizzes /Sit-down Tests /Take-home Capstone				
Assessment	100% Final						
	Assessment (F	FA):					
	0%						
Assessment	Continuous	\					
Module type	Assessment (0	CA)					

Module Name:		Rational Medicine Use			
Module Code		PHC425			
Proposed Semes be offered	ter(s) to	1 and 2			
NQF Level Credit	s	15			
Year level		Fourth			
Breakdown of	Hours	Timetable red	uirements per	Teaching modes that does	
Learning time		week		require timetable	
			Number of		
			periods		
Contact with lecturer/tutor	10	Lectures p.w.	1	P1 Face-to-face	
Tutorials	0	Tutorial p.w			
Practicals	15	Practicals p.w	1	P1 Face to face	
Assignments & tasks	15				
Assessments	10			Sit down	
Self- study	50				
Other	50				
	150				
	•	•	•		
Method of	Continu	ous	Online and face-to-face oral		
Student		nent (CA):			
Assessment	100%				
Final assessment (FA):					
	0%				
Assessment	Continu		CA		
Module type	assessn	nent (CA)			

Servicing Dentistry Faculty Bachelor of Oral Health

Name of prog	_j ramme	Bachelor of	th			
Module Name		Pharmacolo	gy for Ora	gy for Oral Health 121		
Module Code POH121			•			
Proposed Ser be offered	mester(s) to	Semester 1				
NQF Level Cr	edits	5				
Year level		2				
Breakdown of Learning	Hours	Timetable requirement	ts per	Teaching modes that does require timetable		
time		week	•			
			Number of			
			periods			
Contact with	26	Lectures	2	P1 – Online		
lecturer/tutor		p.w.		P1 – Face to Face		
Tutorials		Tutorial p.w				
Practicals		Practicals p.w				
Assignme nts & tasks	4			Individual Online/Sit-down		
Assessments	4			Online/Sit-down/		
Self- study	16			Learning guides, and textbooks		
TOTAL Learning Time	50					
Method of		nuous Assessment		us Assessment (CA): Online Quizzes /Sit-		
Student	(CA): 60% Fi		down Tes	ets		
Assessment	Assessment (FA): 40%	Final Ass	essment (FA): Sit-down		
Assessment Module type	Continuous a Assessment (

Name of programme BACHELO		BACHELOR OF D	OF DENTAL SURGERY (BDS) - 5101					
Module Name:		Dental Pharmacology						
Module Code		PCL305	PCL305					
Proposed Sem	ester(s)	1 and 2						
to be offered								
NQF Level Cre	dits	20						
Year level	1	3						
Breakdown of	Hours	Timetable require	ements per	Teaching modes that does				
Learning time		week		require timetable				
			Number of					
			periods					
Contact with lecturer/tutor	120	Lectures p.w.	2	Face to face				
Tutorials	0	Tutorial p.w 0						
Practicals	15	Practicals p.w	0					
Assignments & tasks	20			Online quizzes				
Assessments	5			Sit Down				
Self- study	40							
	200							
Method of			Sit down					
Student	Student (CA): 50%							
Assessment	ssessment Final Assessment (FA): 50%							
Assessment	sessment Continuous and Final		CFA					
Module type	Assessm	ent						
	(CFA)							

Name of programme		BACHELOR	BACHELOR OF NURSING (8312)				
Module Name:		Pharmacology for nurses					
Module Code	Module Code						
Proposed Semeste be offered	er(s) to	1 and 2					
NQF Level Credits		20					
Year level		Second					
Breakdown of	Hours	Timetable		Teaching modes that does require			
Learning time		requirement week	ts per	timetable			
	Numbe		Number of periods				
Contact with lecturer/tutor	52	Lectures p.w.	4	P4 face-to-face			
Tutorials	0	Tutorial p.w	0	0			
Practicals	0	Practicals p.w	0	0			
			•				
Assignments & tasks	34			Online			
Assessments	6			Sit down			
Self- study	108						
	200						
Method of Student			Sit down	and Online			
Assessment							
Assessment			CFA				
Module type							

Name of programme		BSc (Dietetics)						
Module Name:	Module Name:		Pharmacology for Dietetics					
Module Code		PCL315						
Proposed Seme	Proposed Semester(s) to be offered		Semester 1					
NQF Credit Valu	ie	10						
Year level		3						
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does require timetable				
ŭ			Number of periods	. roquiro umotablo				
Contact with lecturer/tutor	52	Lectures p.w.	2	P2 Face to Face				
Tutorials		Tutorial p.w 0						
Practicals		Practicals p.w	0					
Assignments & tasks	18			Individual/groupOnline				
Assessment s: Tests and Examinations	5			Sit down				
Self- study	20			Learning guides and course readers				
Other	5							
TOTAL Learning Time	100							
Method of	Continuous Assessment (CA): 50%			Continuous Assessment (CA):				
Student Final Assessment (FA): 50%			Online / take home assignments					
Assessment		, ,		Sit down tests Final Assessment (FA): Sit down				
Assessment Module type	Continuous	s and Final Assessr	nent (CFA)					
i wodule type								

Name of programme		Bachelor of Pharmacy (BPharm)					
Module Name:	Module Name:		Pharmacy 116 (Introduction to Pharmacy)				
Module Code		PHA116		•			
Proposed Semest offered		Semester 1					
NQF Level Credits	S	15					
Year level		Year 1					
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable			
		Number of periods					
Contact with lecturer/tutor	36	Lectures p.w.	4	P1- Face-to-face P2- Face-to-face P3- Online P4- Online			
Tutorials	20	Tutorial p.w	3	P1-P3- Face-to-face			
Practicals	0	Practicals p.w	0				
Assignments & tasks	50			Online, asynchronous			
Assessments	4			4 hours per semester			
Self- study	40			Online, asynchronous			
Total learning time	150						
Method of Student				us Assessment (CA): Take-home/ Online			
Assessment	100%	` ,					
Assessment Module type	Continuou Assessme	-					

Name of programme		Bachelor of Pharmacy (BPharm)					
Module Name:	Module Name:		Pharmacy Practice 214 (Philosophy of Pharmacy Practice)				
Module Code		PPR214					
Proposed Semeste be offered	er(s) to	1					
NQF Level Credits		10					
Year level		Second					
Breakdown of Learning time		Timetable requirements per week		Teaching modes that does require timetable			
		Number of periods					
Contact with lecturer/tutor	28	Lectures p.w.	4	3 periods face-to-face 1 period online			
Tutorials	0	Tutorial p.w	0	0			
Practicals	20	Practicals p.w	3	3 periods face-to-face			
Assignments &	16			Face-to-face as part of			
tasks				practicals			
Assessments	4			Sit down			
Self- study	32			Online, asynchronous			
		0/	10:	1			
Method of Student			Sit down				
Assessment	Final Ex	am – 50%					
Assessment			CFA				
Module type							

Name of programme Ba		Bachelor of	Bachelor of Pharmacy (BPharm)					
Module Name:		Pharmacy Practice 224 (Medicine Supply: Management &						
		Regulation)	Regulation)					
Module Code		PPR224						
Proposed Seme	ester(s) to	Second						
be offered								
NQF Level Cred	lits	6						
Year level		Second						
Breakdown of	Hours	Timetable		Teaching modes that does require				
Learning time		requirement	ts per	timetable				
		week						
			Number of					
			periods					
Contact with	48	Lectures	5	P1-3 face to face				
lecturer/tutor		p.w.		P4-5 online, scheduled				
Tutorials	12	Tutorial p.w	3	P1-3 Face to face, class				
				split into 3 groups in 3 venues				
Practicals	0	Practicals	0					
		p.w						
Assignments & tasks	12			Online, asynchronous				
Assessments	4			Sit-down				
Self- study	32			Online, asynchronous				
Other	40			At experiential sites				
150			Sit down					
Method of	CA 50%	CA 50%						
Student	Final exam 50%		Sit down					
Assessment								
Assessment	CFA							
Module type								

Name of programme		Bachelor of Pharmacy (BPharm)				
Module Name:		Pharmacy Practice 314 (Professional Communication in				
		Pharmacy)				
Module Code		PPR314				
Proposed Seme	ster(s) to	Semester 1				
be offered						
NQF Level Cred	its	15				
Year level		Year 3				
Breakdown of	Hours	Timetable		Teaching modes that does require		
Learning time		requiremen	ts per	timetable		
		week				
			Number			
			of			
			periods			
Contact with	36	Lectures 4		P1- Face-to-face P2- Face-to-face		
lecturer/tutor		p.w.		P3- Online		
				P4- Online		
Tutorials	20	Tutorial p.w	3	P1-P3- Face-to-face		
Practicals	0	Practicals	0			
		p.w				
Assignments & tasks	28			Online, asynhronous		
Assessments	6			6 hours per semester		
Self- study	40			P1: Online		
Other	20					
Total learning til						
Method of	Continuou	ıs	Continuou	is Assessment (CA):		
Student Assessment (CA):		ent (CA):	Sit-down/ Take-home/ Online			
Assessment	100%					
Assessment	Continuou					
Module type	Assessme	ent (CA)				

Name of programme		Bachelor of Pharmacy (BPharm)				
Module Name:		Pharmacy Practice 324 (Pharmacy Management)				
Module Code		PPR324		, , ,		
Proposed Semester	(s) to	SECOND SE	MESTER			
be offered						
NQF Level Credits		15				
Year level		3				
Breakdown of	Hours			Teaching modes that does require		
Learning time		requirement	ts per	timetable		
		week				
			Number			
			of			
Contact with	40	Lastinas	periods	P1 to P4- Face to face		
	42	Lectures	8			
lecturer/tutor		p.w.		P1 to P3- online		
Tutorials	0	Tutorial p.w	1	D. 5		
Practicals	0	Practicals	1	P1- Face to face		
		p.w				
Assignments &	30			Individual/group		
tasks				Sit down/take home		
Assessments	4			Sit down		
Self- study	52			Online - asynchronous		
Other	22					
Method of Student	Continu		Sit dow	/n		
Assessment	Assess (CA):10					
Assessment	Continu					
Module type	Assess	ment (CA				

Name of programme		Bachelor of Pharmacy (BPharm)				
Module Name:		Pharmacy Practice 414 (Pharmacy Professional Practice)				
Module Code		PPR414				
Proposed Sem be offered	nester(s) to	Both semesters				
NQF Level Cre	dits	18				
Year level		4				
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable		
			Nu mb er of peri ods			
Contact with	56	Lectures p.w.	4	P1 to P2 face to face		
lecturer/tutor				P3 to P4 online		
Tutorials		Tutorial p.w	3	P1-P3 Face to face		
Practicals	5	Practicals p.w	0			
Assignments & tasks	34			Group- sit down		
Assessments						
Self- study	55			Online- asynchronous		
Method of	Continuous A	ssessment (CA):				
Student	,					
Assessment	Final Assessi	ment (FA): 50%				
Assessment	Continuous a					
Module type	Assessment					
7,17	(CFA)					

Name of programme		Bachelor of Pharmacy (BPharm)				
Module Name:		Pharmacy Practice 434 (Management of Medicine Supply)				
Module Code		PPR434				
Proposed Semester(s) to be	Year				
offered		_				
NQF Level Credits		8				
Year level	1	Fourth				
Breakdown of	Hours	Timetable re	equirements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with	56	Lectures	4	P1-2 – Face to Face		
lecturer/tutor		p.w.		P3-4 – online scheduled		
Tutorials	4	Tutorial p.w	1	P1 – online scheduled		
Practicals		Practicals				
		p.w				
Assignments & tasks	50			Online, scheduled		
Assessments	0					
Self- study	40			Online, asynchronous		
	150					
Method of Student Continuous		assessment	Online, asynchro	onous		
Assessment (100%)						
Assessment	CA					
Module type						

Name of programme		Pharmacy					
Module Name:		Pharmaceutical Chemistry					
Module Code		PCH232					
Proposed Semeste offered	Proposed Semester(s) to be offered		Semester 2				
NQF Level Credits		15					
Year level		Year 2					
Breakdown of	Hours	Timetable rec	uirements per	Teaching modes that does			
Learning time		week		require timetable			
			Number of periods				
Contact with	42	Lectures p.w.	3	P1 Face to Face P2			
lecturer/tutor				Face to Face			
				P3 Online			
Tutorials		Tutorial p.w					
Practicals	20	Practicals p.w	3	P6-8 Face to Face			
Assignments &	32			Online			
tasks				Individual assignments			
Assessments	6			Sit Down			
Self- study	50			Online material; Text Book			
Method of Student		Assessment	Online, Take home, Sit down				
Assessment 50%			Sit down				
	Final Asses						
Assessment	Final asses	sment	Sit down				
Module type							

Name of prog	ramme	BPharm					
Module Name		Pharmaceutical Chemistry 233					
Module Code		PCH233		•			
Proposed Se	mester(s) to	Semester 1					
be offered							
NQF Credit V	alue	15					
Year level	_	Year 2					
Breakdown	Hours	<u>-</u>	uirements	Teaching modes that does require			
of Learning		per week		timetable			
time			Number				
			of				
			periods				
Contact with	66	Lectures p.w.	3	P1 - Face to Face P2 - Online			
lecturer/tutor				P3 – F2F			
Tutorials	0	Tutorial p.w	1	P1 – Face to face			
Practicals	32	Practicals p.w	3	P6 to P8 – Face to face			
Assignme	16			Individual (inorg)			
nts &				Online guizzes			
tasks				 Individual prac reports 			
Assessments	5			Online/Sit down/take home			
Self- study	31			Learning guides and course readers			
-				online –asynchronous mode			
TOTAL	150						
Learning							
Time							
Method of	Continuous Assessment			Continuous Assessment (CA):			
Student	(CA): 50% Final			Online/take home			
Assessment (FA): 50				Final Assessment (FA):			
				Sit down			
Assessment	Continuous	and Final Asse	ssment				
Module type	(CFA)						

Name of programme		Pharmacy				
Module Name:		Pharmaceutical Chemistry PCH312				
Module Code						
Proposed Semeste	r(s) to	Semester 1				
be offered						
NQF Level Credits		15				
Year level		Year 3				
Breakdown of	Hours	Timetable		Teaching modes that does require		
Learning time		requirement	ts per	timetable		
		week				
			Number			
			of			
0 1 1 11	40		periods	D. F		
Contact with	42	Lectures	3	P1 Face to Face P2 Face to Face		
lecturer/tutor		p.w.		P3 Online		
Tutorials		Tutorial p.w	1			
Practicals	32	Practicals	3	P6 to P8 Face to Face		
		p.w				
Assignments &	20	1		Online		
tasks				Individual assignments		
Assessments	5			Sit Down		
Self- study	51			Online material; Text Book		
Method of Student	Continue	nus	Online T	ake home, Sit down		
Assessment		nent 50%	Sit down	and fiding, oit down		
Final Ass			Sit down			
		3033110111				
Assessment	Final ass	sessment	Sit down			
Module type						

Name of programme		Pharmacy	Pharmacy				
Module Name: Pharmaceut		tical Chemistry					
Module Code PCH322		PCH322					
Proposed Seme	ster(s) to	Semester 2					
be offered							
NQF Level Cred	its	15					
Year level		Year 3					
Breakdown of	Hours	Timetable		Teaching modes that does require			
Learning time		requirement	ts per	timetable			
		week					
			Number				
			of				
			periods				
Contact with	56	Lectures	3	P1 Face to Face P2 Face to Face			
lecturer/tutor		p.w.		P3 Online			
Tutorials	0	Tutorial p.w					
Practicals	0	Practicals p.w	1	P 1 Face to Face			
	_	μ.νν	l				
Assignments	40			Online			
& tasks				Individual assignments			
Assessments	5			Sit Down			
Self- study	49			Online material; Text Book			
			1	1			
Method of	Continuo	us	Online, Take home, Sit down				
Student	udent Assessment 50%		Sit down				
Assessment	Final Ass	essment 50%					
Assessment	Final ass	essment	Sit down				
Module type							

Name of programme		Pharmacy					
Module Name:		Advanced Drug Design					
Module Code		PCH402					
Proposed Semester	(s) to be	Full year					
offered							
NQF Level Credits		15					
Year level		Year 4	•	Tarabin non a land de de land			
Breakdown of	Hours		uirements per	Teaching modes that does			
Learning time		week		require timetable			
			Number of				
			periods				
Contact with lecturer/tutor	56	Lectures p.w.	1	P1 Face to Face			
Tutorials	0	Tutorial p.w	1	P1 Face to Face			
Practicals	0	Practicals p.w					
Assignments &	40			Online			
tasks				Individual assignments			
Assessments	5			Sit Down and Oral			
				examination			
Self- study	49			Peer reviewed articles			
				Online material			
Method of Student		Assessment	Online, Take home				
Assessment	Assessment 50%		Oral examinati	on and Sit Down			
	Final Asses						
Assessment	Final asses	sment	Oral examinati	on and Sit Down			
Module type							

Name of programm	ma	BPharm					
	IIE						
Module Name:		Physicochemical Properties in Pharmaceutics					
Module Code			PCE231				
Proposed Semest	er(s) to	First semeste	er				
	be offered						
NQF Level Credits	<u> </u>	15					
Year level		2					
Breakdown of	Hours	Timetable		Teaching modes that does require			
Learning time		requirement	ts per	timetable			
		week					
			Number				
			of				
			periods				
Contact with	56	Lectures	3	P1-3 - Face to Face			
lecturer/tutor		p.w.					
Tutorials		Tutorial p.w.	1	1 - Face to Face			
Practicals	42	Practicals	1	P6-8 - Face to Face			
		p.w.					
Assignments & tasks	16			Sit down/take home			
Assessments	7			Sit down			
Self- study	29			 Learning guides and course readers 			
				online – asynchronous mode			
TOTAL Learning	150						
Time	100						
Tillie				1			
Method of	Method of Continuous		Continuous Assessment (CA): Sit down/take home				
Student Assessment (CA		ment (CA):		reports only) Final Assessment (FA):			
Assessment 50% Fina			Sit down	, , , , , , , , , , , , , , , , , , , ,			
		ment (FA):	Sit down				
	50%	` '					
Assessment	Continu	ous and Final					
Module type	Assessr	ment (CFA)					
Module type 7 issues.		` '	1				

Module Name:		Pharmaceutical Formulation					
Module Code		PCE232					
Proposed Semo	ester(s) to	Second semester					
NQF Level Cred	dits	15					
Year level		2					
Breakdown of Learning time	Hours	Timetable requirements per		Teaching modes that does require timetable			
		week Number of periods					
Contact with lecturer/tutor	56	Lectures p.w.	3	2 F2F 1 Online			
Practicals	42	Tutorial p.w Practicals p.w	1	F2F F2F			
Assignments & tasks	16			Sit down/take home			
Assessments	7			Sit down/ online			
Self- study	29			Online and asynchronous			
BA - d - d - f	TOA (4000)	•		1			
Method of Student	CA (100%)	A (100%) CA – sit (wn			
Assessment							
Assessment	CA						
Module type							

Name of programme		BPharm					
Module Name:		Pharmaceutical Technology					
Module Code	Module Code			PCE331			
Proposed Semester(s) to be	e offered	First semeste	er				
NQF Level Credits		15					
Year level		3					
Breakdown of Learning	Hours	Timetable		Teaching modes that does			
time		requirement	ts per	require timetable			
		week		-			
			Number of				
			periods				
Contact with lecturer/tutor	42	Lectures p.w.	3	P1-2– Face to face			
		ρ.w.		P3 - Online			
Tutorials		Tutorial p.w	0	-			
Practicals	9	Practicals	1	1 – Face to face			
		p.w					
Assignments & tasks	15			Sit down / take home			
Assessments	42			Sit down / online			
Self- study	42			asynchronous			
Total learning time	150						
Method of Student	Continuo		Continuous Assessment (CA): Sit				
Assessment		nent (CA):	down/take l	nome (practical reports only)			
	50% Fin	nal	Final Assessment (FA):				
Assessm		nent (FA):	Sit down				
	50%						
Assessment		ous and Final					
Module type	Assessn	nent (CFA)					

Name of programn	ne	BPharm					
Module Name:		Applied Pharmaceutical Microbiology					
Module Code	Module Code		PCE333				
Proposed Semeste be offered	er(s) to	Second semester					
NQF Level Credits		15					
Year level		3					
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable			
		Number of periods					
Contact with lecturer/tutor	42	Lectures p.w.	3	2 – Face to face 1 - Online			
Tutorials		Tutorial p.w	0	-			
Practicals	9	Practicals p.w	1	1 – Face to face			
Assignments & tasks	15			Sit down / take home			
Assessments	42			Sit down / online			
Self- study	42			Online asynchronous			
Total learning time	150						
Method of	Continue	2110	Continue	us Assessment (CA): Sit down/tsks home			
			Continuous Assessment (CA): Sit down/take home				
Student Assessment	50% Fir	, ,	(practical reports only) Final Assessment (FA): Sit down				
Assessment		ous and Final					
Module type	Assessii	nent (CFA)					

Name of programme	9	BPharm				
Module Name:		Drug Delivery Systems				
Module Code		Pharmacy 431				
Proposed Semester	(s) to	First semester				
be offered						
NQF Level Credits		15				
Year level		8				
Breakdown of	Hours		quirements	Teaching modes that does require		
Learning time		per		timetable		
		week				
			Number of			
			periods			
Contact with lecturer/tutor	56	Lectures p.w.	3	3 – Face-to-face		
Tutorials		Tutorial p.w	1	1 – online		
Practicals		Practicals p.w				
Assignments & tasks	46			Sit down/take home		
Assessments	6			Sit down		
Self- study	42			 Learning guides and course 		
				readers		
				 online – asynchronous mode 		
				·		
TOTAL Learning	150					
Time						
	1					
Method of Student	Continu		Continuous Assessment (CA): Sit down/take hor			
Assessment (CA):		Final Assessment (FA): Sit down				
	50% Final					
Assessment (FA): 50%						
Assessment Continuous and Final						
Module type	Assess	ment				
	(CFA)					

Name of progran	nme	B Pharm	B Pharm				
Module Name:		PCE401					
Module Code		8					
Proposed Semes	ster(s) to	Both semes	sters				
be offered							
NQF Level Credit	ts	15					
Year level		4					
Breakdown of	Hours	Timetable		Teaching modes that does require			
Learning time		requiremen	its per	timetable			
		week					
			Number				
			of				
			periods				
Contact with	56	Lectures	2	1 Face to Face			
lecturer/tutor		p.w.		1 Online			
Tutorials		Tutorial p.w					
Practicals		Practicals	2	1 Face to Face and Online			
		p.w					
	T 40			T 			
Assignments & tasks	48			Take home			
Assessments	4			Online and Sit down			
Self- study	42			Asynchronous			
	_						
Method of	Continuou	ıs	Continuous Assessment (CA): Sit down/take home				
Student	Assessme	ent (CA):	Final Asse	essment (FA): Sit down			
Assessment	50% Fina	ıl					
Assessme		ent (FA):					
50%		` ,					
Assessment	2070						
Module type							

Name of programme		BPharm				
Module Name:		Biopharmaceutics and Pharmaceutical Biotechnology				
Module Code		PHA426				
Proposed Semester(s) to be		Bot semesters				
offered						
NQF Level Credits		15				
Year level	T	8				
Breakdown of	Hours		uirements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with lecturer/tutor	56	Lectures p.w.	3	3 – face to face		
Tutorials		Tutorial p.w	2	1 – face-to-face		
				1 - online		
Practicals		Practicals p.w	3			
Assignments & tasks	40			Online/take home		
Assessments	5			Sit down		
Self- study	49			 Learning guides and 		
				course readers		
				 online –asynchronous 		
				mode		
TOTAL Learning	150					
Time						
	<u>I</u>	I	l	<u> </u>		
Method of Student	Method of Student Continuous			eessment (CA): Sit		
		ent (CA): 50%	down/online/take home			
		essment (FA):		ent (FA): Sit down		
50%		` '	i iliai Assessille	FILE (1 A). OIL GOWII		
		us and Final				
Module type	Assessme	ent				
	(CFA)					

Name of programme		BPharm	ırm			
Module Name:		Research Project				
Module Code		PHA408				
Proposed Semester(s	Proposed Semester(s) to be		ters			
offered						
NQF Level Credits		15				
Year level		4				
Breakdown of	Hours	Timetable re	equirements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with	20	Lectures	1	1 – Face to face		
lecturer/tutor		p.w.				
Tutorials	0	Tutorial p.w	-	-		
Practicals	0	Practicals	-	-		
		p.w				
			1			
Assignments & tasks	0		-			
Assessments	6		-	Sit down / online		
Self- study	0		-			
Other	124		-	Research time for research		
				project		
Total learning time	150					
Method of Student	Method of Student Continuous		Continuous Asse	essment (CA):		
Assessment	Assessment (CA):		Online/sit-down			
	100% Final					
Assessme		ent (FA):				
	0%					
Assessment	Continuous					
Module type	Assessme	ent (CA):				
	100%					

(3023); B (Medical		(3023); BSc (Medical B	ied Geology) (3011); BSc (Computer Science) Sc (Environmental and Water Science) (3027); BSc Bioscience) (3035)		
Module Name:		Statistics 1	51		
Module Code STA151					
Proposed Semestored be offered	er(s) to	Whole year			
NQF Level Credits	3	15			
Year level		5			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	60	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face	
Tutorials	15	Tutorial p.w	1	Online	
Practicals	40	Practical p.w	2	Face to face	
Assignments & tasks	5			Individual/group	
Assessments	10			Online/sit down/take home	
Self- study	20			Course reader and prescribed books in the library	
TOTAL Learning Time	150				
Method of Student Assessment	Continuous assessment (CA): 50% Final Assessment: (FA): 50%		home	us Assessment (CA)= Online/Sit down/take essment (FA)= Sit down	
Assessment Module type	Continuo Assessm (CFA)	ous and Final nent			

Name of program	me	BSc (Mathe	BSc (Mathematics and Statistical Sciences) (3227, 3031)				
Module Name:		Statistics 1	, , , , , , , , , , , , , , , , , , , ,				
Module Code		STA121					
Proposed Semest	er(s) to	Semester 2	2				
be offered	(5) 15						
NQF Level Credit	S	15					
Year level		5					
Breakdown of	Hours	Timetable r	equirements per	Teaching modes that does			
Learning time		week		require timetable			
			Number of				
			periods				
Contact with	42	Lectures	3	P1 - Face to Face			
lecturer/tutor		p.w.		P2 - Face to Face P3 -			
				Face to Face			
Tutorials	0	Tutorial p.w	2	P1 – Online/Face to Face			
				P2 – Online/Face to Face			
Practicals	6	Practical					
		p.w					
A :	Ι.	ı		1			
Assignments & tasks	0			Individual/group			
Assessments	60			Online/sit down/take			
				home			
Self- study	42			Course reader and			
				prescribed books in the library			
TOTAL Learning	150						
Time							
	10			. (01) 0 11 (01) 1 (1)			
Method of	Continue		Continuous Assessment (CA)= Online/Sit down/take				
Student	assessment (CA):		home				
Assessment	50% Final		Final Assessment (FA)= Sit down				
		nent: (FA):					
	50%						
Assessment	Continuo	ous and Final					
Module type	Assessm	nent					
	(CFA)						

Name of programme		BAdmin (1018), BCom (1008), BCom (1101), BCom					
		Extended (1751)					
Module Name:		Business Statistics 132					
Module Code		BUS132					
Proposed Semes be offered	ster(s) to	Semester 2					
NQF Level Credi	ts	15					
Year level		5					
Breakdown	Hours	Timetable requirer	nents per	Teaching modes that does			
of Learning		week		require timetable			
time			Number of periods				
Contact with lecturer/tutor	56	Lectures p.w. 3		P1: face-to-faceP2: face-to-faceP3: online			
Tutorials	10	Tutorial p.w	1	Face-to-face Online consultation			
Practicals		Practicals p.w					
Assignments & tasks	20			Individual/group Online/Sit down/Take home			
Assessments							
Self- study	64			 Learning guides and course readers Online –asynchronous mode 			
TOTAL Learning	150						
Time							
Method of	Continuous Assessment			Assessment (CA):			
Student	(CA): 60%		Online/Sit down/Take home				
Assessment	Final Assessment (FA): 40%		Final Asses	sment (FA): Sit down			
Assessment	Continuou	is and Final					
Module type	Assessme	ent					
	(CFA)						

Name of programme		BSc (Biodiversity and Conservation Biology) (3227); BSc (Computer Science) (3221); BSc (Environmental and Water Science) (3331); BSc (Mathematics and Statistical Sciences) (3220)			
Module Name:		Statistic	s 111		
Module Code		STA111			
Proposed Semesto offered	` '	Semeste	er 1		
NQF Level Credits	5	15			
Year level		Year 1			
Breakdown of	Hours	Timetabl	e requirements per	Teaching modes that does	
Learning time		week		require timetable	
			Number of periods		
Contact with	42	Lectures	4	P1 - Face to Face P2 - Face	
lecturer/tutor		p.w.		to Face P3 - Face to Face	
				P4 - Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	60	Practical	3	P1 - Face to Face P2 - Face	
		s p.w		to Face	
				P3 - Face to Face	
Assignments &	0			Individual/group	
tasks				•Take home	
Assessments	6			Online/Sit down	
Self- study	42			 Learning guides and course 	
				readers	
				 Asynchronous mode 	
TOTAL Learning	150				
Time					
Method of	Continuo			us Assessment (CA):	
Student	Assessm		•	it down/take home	
Assessment	(FA): 509	essment %	Final Assessment (FA):Sit down		
Assessment	Continuo				
Module type	Final Ass (CFA)	essment			

Name of programme		BAdmin (1018); BA (2101)				
Module Name:		Introductory Statistics				
Module Code		STA142				
Proposed Semester(s) to be offered		Semester 2				
NQF Level Credits		15				
Year level		Year 1				
Breakdown of	Hours	Timetable requi	rements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with lecturer/tutor	56	Lectures p.w. 3		P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	10	Practicals p.w	0			
Assignments & tasks	20			Individual/group		
				Take home		
Assessments	0			Online/Sit down		
Self- study	64			 Learning guides and 		
-				course readers		
				 Asynchronous mode 		
TOTAL Learning	150					
Time						
Method of		us Assessment	Continuous Assessment (CA):			
Student	(CA): 60%		Online/Sit down/take home			
Assessment	Final Ass 40%	essment (FA):	• Final As	ssessment (FA):		
	40 /0		Sit do	own		
Assessment		ıs and Final				
Module type	Assessme	ent				
	(CFA)					

Name of programme		BSc (Biodiversity and Conservation Biology) (3227); BSc (Biotechnology)(3211); BSc (Chemical Sciences)(3200); BSc (Computer Science) (3221); BSc (Environmental and Water Science) (3331); BSc (Mathematics and Statistical Sciences) (3220)				
Module Name:		Introductory S	Statistics 125			
Module Code		STA125				
Proposed Semester(s) offered	to be	Semester 2				
NQF Credit Value		15				
Year level		Year 1				
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require timetable		
3			Number of periods			
Contact with lecturer/tutor	42	Lectures p.w.	4	P1 - Face to Face P2 - Face to Face P3 - Face to Face P4 - Face to Face		
Tutorials	0	Tutorial p.w	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Practicals	60	Practicals p.w	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Assignments & tasks	0			Individual/groupOnline/Sit down/take home		
Assessments	6			Online/Sit down/take home		
Self- study	42			 Learning guides and course readers online –asynchronous mode 		
TOTAL Learning Time	150					
Method of Student Assessment	(CA): 50%	s Assessment Final nt (FA): 50%		Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Sit down		
Assessment Module type	Continuous	and Final Asse	ssment (CFA)			

Programme		3221,3023, 3227,3	031				
Module Name:		Distribution Theory					
Module Code		STA211					
Proposed Semester(s) to be offered		Semester 1					
NQF Level Credits		20					
Year level		6					
Breakdown of	Hours	Timetable require	ments	Teaching modes that does			
Learning time		per week		require timetable			
			Number				
			of				
			periods				
Contact with	60	Lectures p.w.	4	P1 - Face to face P2 -			
lecturer/tutor				Face to face P3 - Face to			
				face			
				P4 - Face to face			
Tutorials	0	Tutorial p.w	2	P1 – Face to face			
				P2 – Face to face			
Practicals	5	Practicals p.w	3	P1 – Face to face			
				P2 – Face to face			
				P3 – Face to face			
	1						
Assignments & tasks	40			Individual			
				assignments			
				Sit down (Online/take			
				home – alternatives if			
				needed)			
Assessments	30			Sit down (online/take home			
				– alternatives if			
				needed)			
Self- study	65			Prescribed textbook			
				 online – asynchronous 			
				mode			
Method of	Contin	HOUS Assessment	Continue	ous Assessment (CA): Sit			
	Continuous Assessment			ous Assessment (CA): Sit			
Student	(CA):50%		,	Online/take home) Final			
Assessment	Final Assessment (FA):		Assessment (FA):				
A	50%		Sit down	1			
Assessment		uous and Final					
Module type	Assess	ment (CFA)					

Name of programme		BSc (Computer Science) (3221,3023); BSc (Mathematics and			
		Statistical Sciences) (3227,3031)			
Module Name:		Inference and Regression			
Module Code		STA221			
Proposed Semester(s offered	s) to be	Second	Semester		
NQF Credit Value		20			
Year level		6			
Breakdown of Learning time	Hours	Timetak requirer week	ole ments per	Teaching modes that does require timetable	
			Number of		
			periods		
Contact with	60	Lecture	3	P1 - Face to face	
lecturer/tutor		s p.w.		P2 - Face to face P3 - Face to face	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practica Is p.w	2	P1 – Face to face P2 – Face to face	
Assignments &	40			Individual	
tasks				Online	
Assessments	5			Online	
Self- study	65			Learning guides and course readers	
				Online	
TOTAL Learning	200				
Time					
Method of Student	Continuous	<u>l</u>		Continuous Assessment (CA):	
Assessment	Assessment	(CA):		Sit down	
	50% Final			Final Assessment (FA):	
	Assessment (FA): 50%			Sit down	
Assessment	Continuous and Final				
Module type	Assessment	(CFA)			

Name of programme BSc Mathematic			cal and Statistical Sciences				
Module Name:		Multivariate Distribution Theory					
Module Code		STA331					
Proposed Semester(s) to be offered		Semester 1	Semester 1				
NQF Level Credits		30					
Year level		Year 3					
Breakdown of Learning time	Hours	Timetable requ	uirements per	Teaching modes that does require timetable			
			Numbe r of periods				
Contact with lecturer/tutor	130	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face			
Tutorials	0	Tutorial p.w	2	P1 - Face to Face			
				P2 - Face to Face			
Practicals	50	Practicals p.w	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face			
Assignments & tasks	50			Sit down and take			
Assessments	10			Sit down and take			
				home			
Self- study	60			Text Book/Lecture			
				Notes			
Total Learning Time	300						
	Method of Continuous Assessment		Sit down				
Student Assessment	(CA): 50% Final						
		ent (FA): 50%					
Assessment		s and Final					
Module type	Assessmer (CFA)	nt					

Name of programme BSc Mathematic		ical and Statistical Sciences					
Module Name:		Advanced Infer	Advanced Inference & Linear Models				
Module Code		STA332					
Proposed Semester(s) to be offered		Semester 2					
NQF Level Credits		30					
Year level		Year 3					
Breakdown of	Hours	Timetable		Teaching modes that does require			
Learning time		requirements	per	timetable			
		week					
			Number				
			of				
			period				
Contact with	130	Lectures p.w.	3	P1 - Face to Face			
lecturer/tutor	130	Lectures p.w.	3	P2 - Face to Face P3 - Face to Face			
loctarci/tator				12 1 466 16 1 466 16 1 466 16 1 466			
Tutorials	0	Tutorial p.w	1	P1 - Face to Face			
Practicals	50	Practicals p.w	1	P1 - Face to Face			
Assignments & tasks	50			Sit down and take			
				home			
Assessments	10			Sit down and take			
				home			
Self- study	60			Text Book/Lecture			
				Notes			
Total Learning	300						
Time							
	10 0		10%				
Method of		s Assessment	Sit down				
Student	(CA): 50%						
Assessment		ent (FA): 50%					
Assessment		s and Final					
Module type	Assessme	nt					
	(CFA)						

Name of programme		BSc (Mathematics and Statistical Sciences)					
		(3227,3031)					
Module Name:		Statistical Demography					
Module Code		STA333					
Proposed Semeste offered		First Semester					
NQF Level Credits	;	30					
Year level		3					
Breakdown of	Hours	Timetable requi	rements	Teaching modes that does require			
Learning time		per		timetable			
		week					
			Number				
			of				
			periods				
Contact with	130	Lectures p.w.	3	P1 - Face to Face			
lecturer/tutor				P2 - Face to Face P3 - Face to Face			
Tutorials	0	Tutorial p.w	1	P1 - Face to Face			
Practicals	50	Practicals p.w	1	P1 - Face to Face			
Assignments &	50			Sit down and take			
tasks				home			
Assessments	10			Sit down and take			
				home			
Self- study	60			Text Book/Lecture			
				Notes			
Total Learning	300						
Time							
	T		1				
Method of Continuous Assessment		Sit down					
Student (CA): 50% Final							
Assessment	Assessment (FA): 50%						
Assessment		Continuous and Final					
Module type	Assessme	nt					
	(CFA)						

•		BSc Hons (Pop	BSc Hons (Population Studies) (3738); BSc Hons (Medical				
		Bioscience) (3721)					
Module Name:		Applied Statist	ics 501				
Module Code		STA501					
Proposed Semes	ter(s) to	Semester 1					
be offered							
NQF Credit Value	9	15					
Year level		Year 4					
Breakdown	Hours	Timetable requ	iirements	Teaching modes that does require timetable			
of Learning		per week					
time			Number of				
			periods				
Contact with	21	Lectures p.w.	1	P1 - Face to Face			
lecturer/tutor							
Tutorials	0	Tutorial p.w					
Practicals	30	Practicals p.w	1	P1 – Face to face			
Assignments &	30			Individual/group			
tasks				Online/Sit down/take home			
Assessments	9			Online/Sit down/take home			
Self- study	60			Learning guides and course readers			
				 online –asynchronous mode 			
TOTAL Learning	150						
Time							
Method of	Continuo	JS		Continuous Assessment (CA): Online/Sit			
Student	Assessment (CA):			down/take home Final Assessment (FA):			
Assessment	50% Final			Sit down			
Assessment (FA):		- Cit 40					
	50%						
Assessment		s and Final Asse	essment				
Module type	(CFA)						

All modules given below do not require time tabling nor venue assignment. These are done within the department.

Name of program	nme	BSc Hons (Statis	tical Science	3739		
Module Name: Multiv		Multivariate Anal	Multivariate Analysis 701			
Module Code		STA701				
Proposed Semester(s) to be offered		Semester 2				
NQF Level Credi	ts	15				
Year level		1				
Breakdo wn of	Hours	Timetable require week	-	Teaching modes that does require		
Learning time			Number of periods	timetable		
Contact with lecturer/tu tor	21	Lectures p.w.	3	Theory (P1,P2): Face to Face Practical (P3): Face to Face		
Tutorials	0	Tutorial p.w 0				
Practicals	30	Practicals p.w	0			
Assignments & tasks	30			Theory: Individual, take- home Practical: Individual, take- home		
Assessments	5			Theory: Sit down Practical: Sit down (lab)		
Self- study	60			Textbook Additional material on iKamva		
Other	4					
TOTAL Learning Time	150					
	0 "					
Method of						
Student Assessment	(CA): 0% Final Asse 100%	essment (FA):	Final Assessment (FA): Sit down			
Assessment Module		essment (FA)				
type						

Name of programme BSc Hons (Com		putational Finance) (3739)					
Module Name:	Module Name: Res		Research Methodology				
Module Code		STA702 (Not offe	ered in 2023)				
Proposed Semester(s offered	s) to be	First Semester	First Semester				
NQF Level Credits		15					
Year level		7					
Breakdown of Learning time	Hours	Timetable require week	ements per	Teaching modes that does			
			Number of	require timetable			
			periods				
Contact with	21	Lectures p.w.	3	P1 - Face to Face			
lecturer/tutor				P2 - Face to Face			
Tutoriolo	0	Tutorial mass	0	P3 - Face to Face			
Tutorials	0	Tutorial p.w					
Practicals	30	Practicals p.w	0				
A '	00	T	Γ				
Assignments & tasks	30						
Assessments	5						
Self- study	60						
Other	4						
TOTAL Learning Time	150						
Method of Student (CA): 50%		us Assessment %	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down				
		essment (FA): 50%	Timal 71000001110111 (177). Oil down				
Assessment Module	Continuo	us and Final					
type	Assessme	ent (CFA)					

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons (Computational Finance) (3739)				
Module Name:		Theoretical Statistics				
Module Code		STA705 (Not	offered in 2023)			
Proposed Semester(s) to be offered	е	First Semeste	er			
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req	uirements per	Teaching modes that does		
Loaning time		Week	Number of periods	require timetable		
Contact with lecturer/tutor	21	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	0	Tutorial p.w 4		P1 - Face to Face P2 - Face to Face P3 - Face to Face P4 - Face to Face		
Practicals	0	Practicals p.w	2	P1 - Face to Face P2 - Face to Face		
				_		
Assignments & tasks	60					
Assessments	5					
Self- study	60					
Other	4					
TOTAL Learning Time	150					
Method of Student Assessment	50%	sment (CA):	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down			
Assessment Module		uous and Final				
type	Assess	ment (CFA)				

Name of programme BSc Hons (Stat			stical Science) (3737)			
Module Name:		Experimental Design I				
Module Code		STA710 (Not of	fered in 2023)			
Proposed Semester offered	(s) to be	First Term				
NQF Level Credits		15				
Year level		7				
Breakdown		Timetable requi	rements per	Teaching modes that does		
of Learning time	Hours		Number of periods	require timetable		
Contact with lecturer/tutor	21	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30					
Assessments	5					
Self- study	60					
Other	4					
TOTAL Learning Time	150					
			T			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down			
Assessment Module		ous and Final nent (CFA)				
type						

Name of management		BSc Hons (Population Studies) (3738); BSc Hons (Statistical					
Name of programme		Science) (3737					
Module Name:		Biostatistics					
Module Code		STA733 (No	t offered in 2023)				
Proposed Semester(s) offered	to be	First Semes	ter				
NQF Level Credits		15					
Year level		7					
		Timetable re	quirements per	Teaching modes that does require			
Breakdown of		week		timetable			
Learning time	Hours		Number of periods	timetable			
Contact with lecturer/tutor	21	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face			
Tutorials	0	Tutorial p.w	0				
Practicals	30	Practicals p.w	0				
		·					
Assignments & tasks	30						
Assessments	5						
Self- study	60						
Other	4						
TOTAL Learning Time	150						
Method of Student Assessment	Assessment (CA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down				
	(FA): 5						
Assessment Module		uous and					
type	Final Assess	ment (CFA)					

Module Name:		Capita Selecta				
Module Code		STA735 (Not offered in 2023)				
Proposed Semester(s) to be offered		Second Semester				
NQF Level Credits		15				
Year level		7				
Breakdown of		Timetable req week	uirements per	Teaching modes that does require		
Learning time	Hours		Number of periods	timetable		
Contact with lecturer/tutor	21	Lectures p.w. 3		P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30					
Assessments	5					
Self- study	60					
Other	4					
TOTAL Learning Time	150					
Method of Student Assessment Continuous Assessment (CA): 50%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down				
	Final Asse	essment (FA):				
Assessment Module	Continuou	ıs and Final				
type	Assessme	ent (CFA)				

Name of programme	BSc Hons (Statistical Science) (3737)				
Module Name:		Statistical Genetics in Human Traits			
Module Code	STA736 (Not off	ered in 2023)			
Proposed Semester(s) to b offered	е	Second Semeste	er		
NQF Level Credits		15			
Year level		7			
Breakdown of		Timetable requirements week	rements per	Teaching modes that does	
Learning time	Hours		Number of	require timetable	
			periods		
				P1 - Face to Face	
Contact with	21	Lectures p.w.	3	P2 - Face to Face	
lecturer/tutor				P3 - Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30				
Assessments	5				
Self- study	60				
Other	4				
TOTAL Learning Time	150				
Method of Student Assessment Continuous Asses (CA): 50% Final Assessment 50%)%	Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down		
Assessment Module		ous and Final			
type	Assessr	nent (CFA)			

Name of programme		BSc Hons (Statistical Science) (3737)					
Module Name:		Statistical Modelling 737					
Module Code		STA737	STA737				
Proposed Semester(s) to be offered		Semester 1	Semester 1				
NQF Level Credits		15					
Year level		7					
Breakdown of		Timetable require week	·	Teaching modes that does require timetable			
Learning time	Hours		Number of periods	timetable			
				P1 - Face to Face P2 - Face			
Contact with	30	Lectures p.w.	3	to Face			
lecturer/tutor				P3 - Face to Face			
Tutorials	0	Tutorial p.w 0					
Practicals	30	Practicals p.w	1	P1 - Face to Face			
Assignments & tasks	30			Theory: Individual, take- home Practical: Individual, take- home			
Assessments	10			Theory: Sit down Practical: Sit down (lab)			
Self- study	50			Textbook Additional material on iKamva			
Other	0						
TOTAL Learning Time	150						
	•	•	•	•			
Method of Student Continuous Asses (CA): 0%		%					
Assessment	Final As 100%	sessment (FA): Final Assessment (FA): Sit down					
Assessment Module type	Final As	sessment (FA)					

Name of programme Module Name:		BSc Hons (Statistical Science) (3737); BSc Hons (Computer Science) (3735)			
		Data Mining I			
Module Code	\	STA760			
Proposed Semester(s offered	s) to be	Semester 2			
NQF Level Credits		15			
Year level		7			
		Timetable requ	irements	Teaching modes that does	
Breakdown of	l	per week		require timetable	
Learning time	Hours		Number of	require timetable	
			periods		
				P1 - Face to Face P2 - Face	
Contact with	21	Lectures p.w.	3	to Face	
lecturer/tutor				P3 - Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30			Take-home	
Assessments	5			Sit down	
Self- study	60			Coursebooks and additional material as provided	
Other	4				
TOTAL Learning	150				
Time	150				
	•	•	•		
Continuous Assessment					
	Method of Student (CA): 09		Final Associ	sment (EA): Sit down	
Assessment	Final As	ssessment (FA):	Final Assessment (FA): Sit down		
Assessment					
Module type	i iiiai As	occoment (i A)			

Name of programme		BSc Hons (Statis	stical Science)	ical Science) (3737)		
Module Name:		Applied Analytic	pplied Analytics			
Module Code		STA738				
Proposed Semester(s) offered	to be	Semester 1				
NQF Level Credits		15				
Year level		7				
Breakdown of		Timetable require per week	ements	Teaching modes that does require timetable		
Learning time	Hours		Number of	does require timetable		
			periods			
Contact with lecturer/tutor	30	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	2	P1 - Face to Face P2 - Face to Face		
Assignments & tasks	30			Take-home		
Assessments	10			Sit down		
Self- study	50			Coursebooks and additional material as provided		
Other	0			·		
TOTAL Learning Time	150					
Method of Student Assessment	0%	us Assessment (CA)		ment (FA): Sit down		
Assessment Module type	Final Asse	essment (FA)				

Name of progr	amme	BSc Hons (St	atistical Scie	ence) (3737)		
Module Name:		Introductory Multivariate Analysis				
Module Code		STA739				
Proposed Sem offered	Proposed Semester(s) to be offered					
NQF Level Cre	dits	15				
Year level		7				
Breakdo		Timetable req per week	uirements	Teaching modes that does		
wn of Learning time	Hours		Number of periods	require timetable		
Contact with lecturer/tu tor	30	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals 2 p.w		P1 - Face to Face P2 - Face to Face		
Assignments & tasks	30			Take-home		
Assessments	10			Sit down		
Self- study	50			Coursebooks and additional material as provided		
Other	0					
TOTAL Learning Time	150					
			ı	,		
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		Final Assessment (FA): Sit down			
Assessment Module type	Final Assessment (F	(A)				

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons					
		(Computational Finance) (3739)					
Module Name:		Research Proje	Research Project				
Module Code	STA761						
Proposed Semester(s) to be	offered	Both semesters	S				
NQF Level Credits		30					
Year level		8					
Breakdown of Learning	Hours	Timetable requi	irements per	Teaching modes that			
time		week		does require timetable			
			Number of				
			periods				
Contact with lecturer/tutor	30	Lectures p.w.	0	Face-to-face			
Tutorials	0	Tutorial p.w	0				
Practicals	0	Practicals p.w	0				
Assignments & tasks	120			Group/Individual			
				Online			
Assessments	0			Online			
Self- study	150			Learning guides			
				Online			
TOTAL Learning	300						
Time							
Method of Final As		sessment (FA):	Final Repo	rt			
Student Assessment	100%						
Assessment	Final As	sessment (FA)					
Module type							

Name of programme		BSc Hons (Statistical Science) (3737)				
Module Name:		Matrix Methods 734				
Module Code		STA734 (Not offered from 2023)				
Proposed Semester(s) to be offered		Semester 1	Semester 1			
NQF Level Credits		15				
Year level		7				
Breakdown of Learning time	Hours	Timetable req per week		Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	60			Theory: Individual, take- home Practical: Individual, take-home		
Assessments	5			Theory: Sit down Practical: Sit down (lab)		
Self- study	60			Textbook Additional material on iKamva		
Other	4					
TOTAL Learning Time	150					
	10		1			
Method of Student	Continu		Continuous	Assessment (CA): Sit down		
Assessment		ment (CA):		sment (FA): Sit down		
Moocooment	50%			-		
		sessment (FA):				
Accessment	50%	ous and Final				
Assessment						
Module type	Assessr	nent (CFA)				

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons (Computational Finance) (3739)			
Module Name:		Simulation (Not offered in 2023)			
Module Code			or officied in	2020)	
Proposed Semester(s) to be	COF710 First Semeste	er		
NQF Level Credits		15			
Year level		7			
Breakdown of Learning time	Hours	Timetable req per week		Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30			Theory: Individual, take- home Practical: Individual, take-home	
Assessments	5			Theory: Sit down Practical: Sit down (lab)	
Self- study	60			Textbook Additional material on iKamva	
Other	4				
TOTAL Learning Time	150				
Method of Student Assessment	50%	uous sment (CA): ssessment		Assessment (CA): Sit down sment (FA): Sit down	
	50%				
Assessment	Continu	uous and Final			
Module type	Assess	ment (CFA)			

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons (Computational Finance) (3739)				
Module Name:		Time Series Analysis				
Module Code		COF711				
Proposed Semester(s) to be offered	е	Second Seme	ster			
NQF Level Credits		15				
Year level		7				
Breakdown of		Timetable req per week		Teaching modes that does require timetable		
Learning time	Hours		Number of periods	does require timetable		
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30			Theory: Individual, take- home Practical: Individual, take-home		
Assessments	5			Theory: Sit down Practical: Sit down (lab)		
Self- study	60			Textbook Additional material on iKamva		
Other	4			Presentations		
TOTAL Learning Time	150					
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		Final Assessment (FA), Cit down			
Assessment Module type	Final As	sessment (FA)				

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons				
Module Name:		(Computational Finance) (3739) Probability and Stochastic Processes				
Module Name:		COF712	Stochastic Pi	ocesses		
Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		15				
Year level		7				
Breakdown of		Timetable requi	rements	Teaching modes that		
Learning time	Hours		Number of periods	does require timetable		
Contact with lecturer/tutor	45	Lectures p.w.	2	Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	15	Practicals p.w	1	Face to Face		
Assignments & tasks	25			Theory: Individual, take- home Practical: Individual, take-home		
Assessments	8			Theory: Sit down Practical: Sit down (lab)		
Self- study	72			Textbook Additional material on iKamva		
Other	0					
TOTAL Learning Time	150					
	T					
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		Final Asses	sment (FA): Sit down		
Assessment Module type	Final As	sessment (FA)		_		

Name of programme BSc Hons (Pop		pulation Studies) 3738					
Module Name:		Official Statistics					
Module Code		POP703					
Proposed Semester(s) to be offered		Semester 1					
NQF Level Credits		15					
Year level		Honours					
Breakdown of	Hours	Timetable req	uirements	Teaching modes that does			
Learning time		per week		require timetable			
			Number of				
			periods				
Contact with lecturer/tutor	21	Lectures p.w.	3	Face to Face			
Tutorials	0	Tutorial p.w					
Practicals	30	Practicals p.w	3	Online			
Assignments & tasks	30			Individual and groups			
				Take home and online			
Assessments	5			Sit down and take			
				home			
Self- study	60			Learning guides and course			
				readers Recorded lectures-			
				synchronous and			
				asynchronous mode			
Method of		nts and Tests:		ts and Tests online or sit			
Student	50% Final examination:		down: 50% Final examination sit down: 50%				
Assessment	50%						
Assessment	Continuou	s and Final	Continuous and Final Assessment				
Module type	Assessme	ent (CFA)	(CFA)				

Name of programme BSc Hons (Popu		ulation Studies) 3738			
Module Name:		Survey Methods			
Module Code		POP706			
Proposed Semester(s) to be offered		Semester 1			
NQF Level Credits		15			
Year level		Honours			
Breakdown of	Hours	Timetable requ	irements	Teaching modes that does	
Learning time		per week		require timetable	
			Number of periods		
Contact with lecturer/tutor	21	Lectures p.w.	3	Face to Face	
Tutorials	0	Tutorial p.w			
Practicals	30	Practicals 3 p.w		Online	
Assignments & tasks	30			Individual and groups	
				Take home and online	
Assessments	5			Sit down and take	
				home	
Self- study	60			Learning guides and course	
				readers Recorded lectures-	
				synchronous and	
				asynchronous mode	
Method of	Assignm	nents and Tests:	Assignment	s and Tests online or sit down:	
Student			50%		
Assessment	50%		Final examination sit down: 50%		
Assessment	Continuo	ous and Final	Continuous and Final Assessment		
Module type	Assessm	nent (CFA)	(CFA)		

Name of programme		BSc Hons (Population	Studies) (3738	3)	
Module Name:		Social Demography			
Module Code		POP709			
Proposed Semester(s be offered	s) to	Second Semester			
NQF Level Credits		15			
Year level		7			
Breakdown of	Hou	Timetable requiremen	its per	Teaching modes that does	
Learning time	rs	week		require timetable	
			Number of periods		
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30			Individual/groupSit down/take home	
Assessments	5			Sit down/take home	
Self- study	60			 Learning guides and course readers 	
Other	4			Presentations	
Total Learning Time	150				
				•	
Method of		inuous Assessment	Continuous Assessment (CA): Sit down/take		
Student		0% Final Assessment	home		
Assessment	(FA):	100%	Final Assessment (FA): Sit down		
Assessment	Final	Assessment (FA)			
Module type		· ·			

Name of programme BSc Hons (Populatio			n Studies) (3738)			
Module Name:		Mathematical Demography and Population Modeling				
Module Code		POP710 (Not offered	POP710 (Not offered in 2023)			
Proposed Semester(s) to be		First Semester				
offered						
NQF Level Credits		15				
Year level	1	7				
Breakdown of	Hours	Timetable requirem	ents per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30			Individual/group		
				Sit down/take home		
Assessments	5			Sit down/take home		
Self- study	60			Learning guides and course		
				readers		
Other	4			Presentations		
Total Learning	150					
Time						
Method of			Continuous Assessment (CA): Sit down/take			
Student		Assessment	home			
Assessment	(FA):100°	%	Final Assess	sment (FA): Sit down		
Assessment	Final Ass	essment (FA)				
Module type						

Name of programme				ation Studies) (3738); BSc Hons (Statistical		
Module Name:		Science) (3737) Demographic Ar	alveie			
Module Code		POP707	iaiysis			
Proposed Semester(s)	to bo	Both semesters				
offered	, to be	Botti semesters				
NQF Level Credits		15				
Year level		7				
Breakdown of	Hours	Timetable requi	irements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with lecturer/tutor	21	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30			Individual/groupSit down/take home		
Assessments	5			Sit down/take home		
Self- study	60			Learning guides and course readers		
Other	4			Presentations		
Total Learning Time	150					
Method of	Continuo	us Assessment	Continuous	Assessment (CA): Sit down/take		
Student Assessment	(CA): 50% Final Assessment (FA):50%		home Final Assess	sment (FA): Sit down		
Assessment Module type	Continuous and Final Assessment (CFA)					

Name of programme B		BSc Hons (Population Studies) (3738)				
Module Name:		Honours Research Project (Population Studies)				
Module Code		POP761				
Proposed Semester(s) to	be offered	Year				
NQF Level Credits		30				
Year level		7				
Breakdown of	Hours	Timetable req	uirements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with lecturer/tutor	30	Lectures p.w.	0	Face-to-face		
Tutorials	0	Tutorial p.w	0			
Practicals	0	Practicals p.w	0			
Assignments & tasks	120			Individual/group		
				Sit down/take home		
Assessments	0					
Self- study	150			Learning guides and course		
				readers		
Other	0			Presentations		
Total Learning	300					
Time	300					
THILE	1		l			
Method of Student	Continuou	IS	Continuous As	ssessment (CA): Sit down/take		
Assessment	Assessment (CA):		home project report			
Assessment	100%	(3. 4)	Home project i	СРОП		
	Final Asse	essment				
	(FA):0%					
Assessment		s Assessment				
Module type	(CA)					

Name of programme BSc		BSc Hons (Pop	c Hons (Population Studies) (3738)				
Module Name:			Gender Issues and Reproductive Health				
Module Code		POP708					
Proposed Semester(s) to be offered		Fourth Term					
NQF Level Credits		15					
Year level		7					
Breakdown of Learning time	Hours	Timetable requirements		Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	21	Lectures p.w.	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face			
Tutorials	0	Tutorial p.w	0				
Practicals	30	Practicals p.w	0				
Assignments & tasks	30			Individual/group Sit down/take home			
Assessments	5			Sit down/take home			
Self- study	60			Learning guides and course readers			
Other	4			Presentations			
Total Learning Time	150						
Method of Continuous Assessment		Continuous	s Assessment (CA): Sit down/take				
Student	` '	(CA): 50% Final					
Assessment	Assessmer	nt (FA):50% Final Ass		ssment (FA): Sit down			
Assessment	Continuous Assessmen						
Module type	(CFA)	ı					

Name of programme		BSc Hons (Population Studies) (3738); BSc Hons (Statistical					
		Science) (3737)					
Module Name:		Population Projections					
Module Code		STA790	STA790				
Proposed Semester(s) to b	e offered	Year					
NQF Level Credits		15					
Year level		7					
Breakdown of Learning	Hours	Timetable requi	rements per	Teaching modes that does			
time		week		require timetable			
			Number of	·			
			periods				
Contact with	21	Lectures p.w.	3	P1 - Face to Face			
lecturer/tutor				P2 - Face to Face P3 - Face to Face			
Tutorials	0	Tutorial p.w	0				
Practicals	30	Practicals p.w	0				
	•						
Assignments & tasks	30			Individual/group			
				Sit down/take home			
Assessments	5						
Self- study	64			Learning guides and			
				course readers			
Other	0			Presentations			
Total Learning	150						
Time							
Mothed of Student	Continu	Java Assassment	Continue	Accomment (CA), Sit			
Method of Student		ous Assessment O% Final		Assessment (CA): Sit			
Assessment	` '	ment (FA):50%	down/take h	nome sment (FA): Sit down			
Assessment	Continu	ous and Final					
Module type	Assessr	nent					
	(CFA)						

Name of programme		MSc (Statistical Science) (3838) MSc (Computational Finance) (3093)				
Module Name:		Financial Risk Management				
Module Code		COF827				
offered	Proposed Semester(s) to be					
NQF Level Credits		15				
Year level		8				
Breakdown of	Hours	Timetable requ	irements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of			
			periods			
Contact with	45	Lectures p.w.	3	Face to Face		
lecturer/tutor				Own masters time table, no need		
				to schedule on		
				UWC time table.		
Tutorials	0	Tutorial p.w	4	Part of Assignments Own		
				masters time table, no need to		
				schedule on		
				UWC time table.		
Practicals	0	Practicals p.w	0			
	-	<u> </u>				
Assignments &	55			Individual/group		
tasks				Sit down/take home		
Assessments	3			Sit down/take home		
Self- study	47			Learning guides and course readers		
Other	0					
Total Learning	150					
Time						
Method of	Continuous Assessmen		Continuous	s Assessment (CA): Sit down/take		
Student	00/ =: 1.4		home			
Assessment	(FA):100%		Final Assessment (FA):			
			Sit down	,		
Assessment	Final Assessr	ment (FA)				
Module type						

Name of programme		MSc (Statistical Science) (3838)					
Module Name:		Data Mining II					
Module Code		STA800					
Proposed Semester(s) to offered	Proposed Semester(s) to be offered		Second Semester				
NQF Level Credits		15					
Year level		9					
Breakdown of Learning time	Hours	Timetable requir week	ements per	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	21	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w	0				
Practicals	30	Practicals p.w	0				
Assignments & tasks	30			Individual/group Sit down/take home			
Assessments	5			Sit down/take home			
Self- study	60			Learning guides and course readers			
Other	4			Face to Face demonstrations			
Total Learning Time	150						
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down				
Assessment Module type	Final A	ssessment (FA)		, , ,			

Name of programme		MSc (Statistical Science) (3838)				
Module Name:		Research Methodology				
Module Code		3				
Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		15				
Year level		9				
Breakdown of Learning time	Hours	Timetable req per week	uirements	Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	21	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	1	Face to Face Own masters time table, no need to schedule on UWC time table.		
Assignments & tasks	30			Individual/groupSit down/take home		
Assessments	5			Sit down/take home		
Self- study	60			Learning guides and course readers		
Other	4			Face to Face presentations		
Total Learning	150					
Time						
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Take home project report			
Assessment Module type	Final A	ssessment (FA)		project report		

Name of programme		MSc (Statistical Science) (3838)			
Module Name:		Research Project			
Module Code		STA839 (Industry project thesis)			
Proposed Semester(s) to be offered		Year module			
NQF Level Credits		90			
Year level		9			
Breakdown of	Hours	Timetable requ	irements	Teaching modes that does	
Learning time		per		require timetable	
		week	1		
			Number of		
			periods		
Contact with lecturer/tutor		Lectures p.w.	0		
Tutorials		Tutorial p.w	0		
Practicals		Practicals p.w	0		
Assignments & tasks					
Assessments					
Self- study	900			Learning guides and course readers	
Other					
Total Learning	900				
Time					
Method of Student	Continue	ous Assessment	Continuous	Accessment (CA): Proposal	
	(CA): 0%		Continuous Assessment (CA): Proposal		
Assessment	` ,	nent (FA):100%	Report, Presentations Final Assessment (FA): Final industry project report		
		` '			
Assessment	Final Assessment (FA)		-		
Module type					

Name of programme		MSc (Statistical Science) (3838)					
Module Name:		Business Intelligence					
Module Code		STA841					
Proposed Semester(s) to offered	Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		15					
Year level		9					
Breakdown of	Hours	Timetable requ	irements per	Teaching modes that does			
Learning time		week		require timetable			
			Number of				
			periods				
Contact with	30	Lectures p.w.	0	Face to Face			
lecturer/tutor				Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w 0					
Practicals	30	Practicals p.w	0				
Assignments & tasks	30			Individual/groupSit down/take home			
Assessments	10			Sit down/take home			
Self- study	50			Learning guides and course readers			
Other	0						
Total Learning	150						
Time							
	1		T				
Method of Student	Continu		Continuous /	Assessment (CA): Sit down/take			
Assessment			home				
	Final A (FA):10	ssessment 00%	Final Assessment (FA): Sit down				
Assessment	Final A	ssessment (FA)					
Module type	Module type						

Name of programme		MSc (Statistical Science) (3838)				
Module Name:		Contemporary Business Analysis				
Module Code		STA842				
Proposed Semester(s) to b	Proposed Semester(s) to be offered					
NQF Level Credits Year level		15				
		9				
Breakdown of	Hours	Timetable req	uirements	Teaching modes that does		
Learning time		per week		require timetable		
			Number of	•		
			periods			
Contact with	32	Lectures p.w.	0	Face to Face		
lecturer/tutor				Own masters time table, no		
				need to schedule on		
				UWC time table.		
Tutorials	0	Tutorial p.w	0			
Practicals	25	Practicals p.w	0			
Assignments & tasks	28		T	Individual/group		
Assignments & tasks	20			Individual/groupSit down/take home		
Assessments	10			Sit down/take home		
Self- study	55			Learning guides and course		
				readers		
Other	0					
Total Learning	150					
Time						
Made Lat Ot 1	0		0	A		
Method of Student Continuo				Assessment (CA): Sit down/take		
		nent (CA): 0%	home			
	(FA):100	sessment)%	Final Assessment (FA): Sit down			
Assessment		sessment (FA)				
Module type						

Name of programme		MSc (Statistical Science) (3838)					
Module Name:		Multicriteria Decision Making					
Module Code		STA843					
Proposed Semester(s) to be	offered	First Semester					
NQF Level Credits		15					
Year level		9					
Breakdown of Learning time	Hours	Timetable req per week		Teaching modes that does require timetable			
			Number of periods	•			
Contact with lecturer/tutor	30	Lectures p.w.	0	Face to Face Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w	0				
Practicals	30	Practicals p.w	0				
Assignments & tasks	30			Individual/group Sit down/take home			
Assessments	10			Sit down/take home			
Self- study	50			Learning guides and course readers			
Other	0						
Total Learning Time	150						
			1 -				
Method of Student Assessment	Assess Final A (FA):10	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Assessment (CA): Sit down/take sment (FA): Sit down			
Assessment Module type	Final A	ssessment (FA)					
module type							

Name of programme		MSc (Statistical Science) (3838) MSc(Computational Finance) (3093)					
Module Name:		Simulation					
Module Code			COF817 (Not offered in 2023)				
Proposed Semester(s) to I offered	Proposed Semester(s) to be offered						
NQF Level Credits		15					
Year level		9					
Breakdown of Learning time	Hours	Timetable requiper week	irements	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w	0				
Practicals	30	Practicals p.w	0				
Assignments & tasks	30			Individual/group Sit down/take home			
Assessments	5			Sit down/take home			
Self- study	60			Learning guides and course readers			
Other	4			Presentations			
Total Learning Time	150						
Method of Student	Method of Student Continuous		Continuous	s Assessment (CA): Sit down/take			
Assessment	Final A (FA):10		home Final Assessment (FA): Sit down				
Assessment	Final A	ssessment (FA)					
Module type							

Name of programme		MSc (Statistical Science) (3838) MSc(Computational Finance) (3093)				
Module Name:		International Finance				
Module Code		COF818 (Not offered in 2023)				
Proposed Semester(s) to	o bo offered			23)		
NQF Level Credits	. , ,					
Year level		15 9				
Breakdown of	Hours	Timetable rec	uiromonte	Teaching modes that does		
Learning time	riours	per week	ullements	require timetable		
			Number of			
			periods			
Contact with	45	Lectures p.w.	3	Face to Face		
lecturer/tutor				Own masters time table, no		
				need to schedule on		
				UWC time table.		
Tutorials	0	Tutorial p.w	4	Face to Face		
		·		Own masters time table, no		
				need to schedule on		
				UWC time table.		
Practicals	0	Practicals p.w	2	Face to Face		
Tradicalo		1 radiidale p.w	_	Own masters time table, no		
				need to schedule on		
				UWC time table.		
Assignments & tasks	55	1		Individual/group		
Assignments & tasks	33			Sit down/take home		
Assessments	3			Sit down/take home		
Self- study	47			 Learning guides and course readers 		
Other	0					
Total Learning	150					
Time						
Method of Student	cudent Continuous		Continuous	Assessment (CA): Sit down/take		
Assessment		ment (CA): 0%	home			
		sessment	Final Assess	sment (FA): Sit down		
	(FA):100			. ,		
Assessment	Final As	sessment (FA)				
Module type						

Name of programme		MSc(Computational Finance) (3093)					
Module Name:		Financial Comp	Financial Computing				
Module Code		COF821 (Not offered in 2023)					
Proposed Semester(s) offered	to be	First Semester	,				
NQF Level Credits		15					
Year level		9					
Breakdown of Learning time	Hours	Timetable requ	uirements per	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	45	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w	4	Part of Assignments Own masters time table, no need to schedule on UWC time table.			
Practicals	0	Practicals p.w	2	Part of Assignments Own masters time table, no need to schedule on UWC time table.			
Assignments & tasks	55			Individual/groupSit down/take home			
Assessments	3			Sit down/take home			
Self- study	47			Learning guides and course readers			
Other	0						
Total Learning Time	150						
Method of Student Assessment	(CA): 0%	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Assessment (CA): Sit down/take			
Assessment Module type	Final Ass	essment (FA)					

Name of programme		MSc (Statistical Science) (3838); MSc(Computational Finance) (3093)					
Module Name:		Theoretical Statistics					
Module Code		COF826 (Not	COF826 (Not offered in 2023)				
Proposed Semester(s) to be offered		First Semester	First Semester				
NQF Level Credits		15					
Year level		9					
Breakdown of Learning time	Hours	Timetable req per week		Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	45	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w 4		Part of Assignments Own masters time table, no need to schedule on UWC time table.			
Practicals	0	Practicals p.w	0				
Assignments & tasks	55			Individual/groupSit down/take home			
Assessments	3			Sit down/take home			
Self- study	47			Learning guides and course readers			
Other	0						
Total Learning Time	150						
Method of Student Assessment		ment (CA): 0% ssessment	Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down				
Assessment Module type	Final As	sessment (FA)					

Name of programme		MSc (Statistical Science) (3838) MSc (Computational Finance) (3093)			
Module Name:		Probability and Stochastic Processes			
Module Code		COF828 (Not offered in 2023)			
Proposed Semester(s) to be of	ffered	First Semester		,	
NQF Level Credits		15			
Year level		9			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
			Number of	•	
			periods		
Contact with lecturer/tutor	45	Lectures p.w.	3	Face to Face	
				Own masters time table, no need to schedule on UWC time table.	
Tutorials	0	Tutorial p.w	4	Part of Assignments Own	
				masters time table, no need to	
				schedule on	
				UWC time table.	
Practicals	0	Practicals p.w	0		
Assignments & tasks	55			Individual/group	
				Sit down/take home	
Assessments	3			Sit down/take home	
Self- study	47			Learning guides and	
				course readers	
Other	0				
Total Learning	150				
Time					
Method of Student	Continue		Continuous Assessment (CA): Sit		
Assessment		nent (CA): 0%	down/take home		
	Final Assessment (FA):100%		Final Assessment (FA): Sit down		
Assessment		sessment (FA)			
Module type					

Name of programme	MSc (Statistical Science) (3838) MSc(Computational Finance) (3093)						
Module Name:		Time Series Analysis					
Module Code		COF829 (Not	COF829 (Not offered in 2023)				
Proposed Semester(s) to be offered		Second Semes	ster				
NQF Level Credits		15					
Year level		9					
Breakdown of	Hours	Timetable req	uirements	Teaching modes that does			
Learning time		per		require timetable			
		week		•			
			Number of				
			periods				
Contact with	21	Lectures p.w.	3	Face to Face			
lecturer/tutor		'		Own masters time table, no			
				need to schedule on			
				UWC time table.			
Tutorials	0	Tutorial p.w	4	Part of Assignments Own			
ratoriais	ľ	ratorial p.w		masters time table, no need to			
				schedule on			
		5		UWC time table.			
Practicals	30	Practicals p.w	2	Individual/group			
				Sit down/take home			
Assignments & tasks	30			Individual/group			
_				Sit down/take home			
Assessments	5			Sit down/take home			
Self- study	60			Learning guides and course			
				readers			
Other	4			Presentations			
Total Learning	150						
Time							
	•		•				
Method of Student	Continue	ous	Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down				
Assessment	Assessn	nent (CA): 0%					
		sessment					
	(FA):100)%	i iidi Added	nai Assessineni (FA). Sil uuwii			
Assessment	Final As	sessment (FA)					
Module type							

Name of programme		MSc(Comput	tational Finance) (3093)			
Module Name:		Statistical Art	pitrage			
Module Code		COF832 (Not offered in 2023)				
Proposed Semester(s) to be	offered	First Semester				
NQF Level Credits		15				
Year level		8				
Breakdown of Learning time	Hours	Timetable re per week		Teaching modes that does require timetable		
			Number of periods			
Contact with lecturer/tutor	45	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.		
Tutorials	0	Tutorial p.w	4	Part of Assignments Own masters time table, no need to schedule on UWC time table.		
Practicals	0	Practicals p.w	0			
	T					
Assignments & tasks	55			Individual/group Sit down/take home		
Assessments	3			Sit down/take home		
Self- study	47			Learning guides and course readers		
Other	0					
Total Learning Time	150					
Method of Student	Externa	lly moderated	Continuous	Assessment (CA): Sit down/take		
Assessment	project		home Final Assessment (FA): Project report			
Assessment Module type	Final Assessment (CFA)					

Name of programme		MSc(Computation	onal Finance) (3093)				
Module Name:		Credit Derivativ	es	, , ,			
Module Code		COF835 (Not o	COF835 (Not offered in 2023)				
Proposed Semester(s) to be offered		Second Semest	Second Semester				
NQF Level Credits		15					
Year level		9					
Breakdown of Learning time	Hours	Timetable requ	irements per	Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	45	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w	4	Part of Assignments Own masters time table, no need to schedule on UWC time table.			
Practicals	0	Practicals p.w	2	Part of Assignments Own masters time table, no need to schedule on UWC time table.			
Assignments & tasks	55			Individual/group Sit down/take home			
Assessments	3			Sit down/take home			
Self- study	47			Learning guides and course readers			
Other	0						
Total Learning Time	150						
Method of Student Assessment	(CA): 0%	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Assessment (CA): Sit down/take ment (FA): Sit down			
Assessment Module type	Final As	sessment (FA)					

Name of programme	ame of programme MSc(Computation		tional Finance) (3093)				
Module Name:		Linear Financia	Linear Financial Models				
Module Code		COF836 (Not offered in 2023)					
offered	Proposed Semester(s) to be offered		Second Semester				
NQF Level Credits		15					
Year level		9					
Breakdown of Learning time	Hours	Timetable req per week		Teaching modes that does require timetable			
			Number of periods				
Contact with lecturer/tutor	45	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.			
Tutorials	0	Tutorial p.w	4	Part of Assignments Own masters time table, no need to schedule on UWC time table.			
Practicals	0	Practicals p.w 2		Part of Assignments Own masters time table, no need to schedule on UWC time table.			
Assignments & tasks	55			Individual/group Sit down/take home			
Assessments	3			Sit down/take home			
Self- study	47			Learning guides and course readers			
Other	0						
Total Learning	150						
Time							
Method of Student	Continu		Continuous	s Assessment (CA): Sit down/take			
Assessment		ment (CA): 0% ssessment 0%	home Final Assessment (FA): Sit down				
Assessment		sessment (FA)					
Module type							

Name of programme MSc (Statistica			al Science) (3838)		
Module Name:		Capita Selecta 11			
Module Code		STA822 (removed from 2023)			
Proposed Semester(s) to b	e offered	Second Semester			
NQF Level Credits		15			
Year level		9			
Breakdown of Learning time	Hours	Timetable req	uirements	Teaching modes that does require timetable	
		week	l		
			Number of periods		
Contact with	21	Lectures p.w.	3	Face to Face	
lecturer/tutor				Own masters time table, no	
				need to schedule on	
				UWC time table.	
Tutorials	0	Tutorial p.w 0			
Practicals	30	Practicals p.w 0			
Assignments & tasks	30			Individual/groupSit down/take home	
Assessments	5			Sit down/take home	
Self- study	60			Learning guides and course readers	
Other	4			Face to Face presentations	
Total Learning Time	150				
	T		T		
Method of Student	Continuo		Continuous	Assessment (CA): Sit down/take	
Assessment		nent (CA): 0%	home		
	Final As (FA):100	sessment)%	Final Assessment (FA): Sit down		
Assessment	Final Ass	ssessment (FA)			
Module type					

Name of programme		MSc (Statistica	Science) (3838)		
Module Name:		Multivariate An	nalysis		
Module Code	STA829 (not o		offered in 2023)		
Proposed Semester(s) to offered	o be	Second Semes	ster		
NQF Level Credits		15			
Year level		9			
Breakdown of Learning time	Hours	Timetable req week	uirements per	Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	21	Lectures p.w.	3	Face to Face Own masters time table, no need to schedule on UWC time table.	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30			Individual/group Sit down/take home	
Assessments	5			Sit down/take home	
Self- study	60			Learning guides and course readers	
Other	4			Face to Face presentations	
Total Learning Time	150				
	T		T		
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down		
Assessment	Final Asse	essment (FA)			
Module type					

Name of programme		MSc (Statistica	I Science) (38	(38)			
Module Name:		Experimental D	Design II				
Module Code		STA830 (not o	ffered in 2023	<mark>n 2023</mark>)			
Proposed Semester(s) to be		First Term	First Term				
offered							
NQF Level Credits		15					
Year level	T	9					
Breakdown of	Hours	Timetable req	uirements	Teaching modes that does			
Learning time		per		require timetable			
		week	Number of	_			
Contact with	21	Looturoo n.w	periods 3	Face to Face			
lecturer/tutor	41	Lectures p.w.	٥				
lecture//tutor				Own masters time table, no need to			
				schedule on			
T (. 2.1.	0	T (1.2.1.)		UWC time table.			
Tutorials	0	Tutorial p.w	0				
Practicals	30	Practicals p.w	0				
Assistante O table	100	I	I	la dicidual/anava			
Assignments & tasks	30			Individual/group			
				Sit down/take home			
Assessments	5			Sit down/take home			
Self- study	60			Learning guides and course			
				readers			
Other	4			Face to Face presentations			
				·			
Total Learning	150						
Time							
	<u> </u>	I	I				
Method of	Continue	ous	Continuous	Assessment (CA): Sit down/take			
Student	Assessn	nent (CA): 0%	home	` '			
Assessment	Final As	sessment		ement (FA): Sit down			
	(FA):100						
Assessment	Final As	sessment (FA)					
Module type							

Name of programme		MSc (Statistical	Science) (3838	8)		
Module Name:		Biostatistics	, ,			
Module Code		STA835 (not off	ered in 2023)			
Proposed Semester(s offered	s) to be	First Semester	·			
NQF Level Credits		15				
Year level		9				
Breakdown of	Hours	Timetable requ	irements per	Teaching modes that does		
Learning time		week		require timetable		
			Number of periods			
Contact with	21	Lectures p.w.	3	Face to Face		
lecturer/tutor	21	Leotares p.w.	o e	Own masters time table, no need to schedule on UWC time table.		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30			Individual/groupSit down/take home		
Assessments	5			Sit down/take home		
Self- study	60			Learning guides and course readers		
Other	4			Face to Face presentations		
Total Learning Time	150					
Method of Student Assessment	(CA): 0%	ous Assessment 6 Final ment (FA):100%	Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down			
Assessment Module type	Final As	sessment (FA)				

Name of programme	Name of programme		MSc (Statistical Science) (3838)				
Module Name:		Statistical Genetics in Human Traits					
Module Code		STA837 (not offered in 2023)					
Proposed Semester(s) to	be offered	•	Second Semester				
NQF Level Credits		15					
Year level		9					
Breakdown of	Hours	Timetable requ	irements per	Teaching modes that does			
Learning time		week		require timetable			
			Number of				
			periods				
Contact with	21	Lectures p.w.	3	Face to Face			
lecturer/tutor				Own masters time table,			
				no need to schedule on			
				UWC time table.			
Tutorials	0	Tutorial p.w	0				
Practicals	60	Practicals p.w	0				
Assignments & tasks	0						
Assessments	5			Sit down/take home			
Self- study	60			Learning guides and			
				course readers			
Other	4			Face to Face			
				presentations			
Total Learning	150						
Time							
Method of Student		ıs Assessment	Continuous Assessment (CA): Sit				
Assessment	(CA): 0%		down/take he	ome			
	Assessme	ent (FA):100% Final Ass		ment (FA): Sit down			
Assessment	Final Asse	essment (FA)					
Module type		,					
71							

Name of programme		MSc (Statistical Science) (3838)			
Module Name:		Matrix Methods			
Module Code		STA853 (Not offered in 2023)			
Proposed Semester(s) to b	e offered	,			
NQF Level Credits		15			
Year level		9			
Breakdown of	Hours	Timetable req	uirements	Teaching modes that does	
Learning time		per		require timetable	
		week			
			Number of		
			periods		
Contact with	21	Lectures p.w.	1	Face to Face	
lecturer/tutor				Own masters time table,	
				no need to schedule on UWC time table.	
Tutorials	0	Tutorial p.w 0		time table.	
Practicals	0	Practicals p.w	0		
Tacticals		Tracticals p.w	0		
Assignments & tasks	80			Individual/group	
/ toolgrimente a tacke	00			Sit down/take home	
Assessments	5			Sit down/take home	
Assessments	5			Sit down/take nome	
Self- study	60			Learning guides and	
				course readers	
Other	4			Presentations	
Total Learning	170				
Time					
	-				
Method of Student	Continuo		Continuous	Assessment (CA): Sit down/take	
Assessment		nent (CA): 0%	home		
	Final As (FA):100	sessment Final Assess		ment (FA): Sit down	
Assessment		sessment (FA)			
Module type	i iliai Ass	Bossineii (i A)			
wodule type					

Name of programme		MPhil (Population Studies) (3921)				
Module Name:		Demographic A	Demographic Analysis			
Module Code		POP807 (not offered in 2023)				
Proposed Semester(s) to be offered		First Semester				
NQF Level Credits		15				
Year level		8				
Breakdown of Learning time	Hours	Timetable req per week		Teaching modes that does require timetable		
			Number of periods			
Contact with	21	Lectures p.w.	1	Face to Face		
lecturer/tutor				Own masters time table, no need to schedule on UWC time table.		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30			Individual/groupSit down/take home		
Assessments	5			Sit down/take home		
Self- study	64			Learning guides and course readers		
Other	4			Presentations		
Total Learning	150					
Time						
	T _		T =			
Method of Student	Continue		Continuous	Assessment (CA): Sit down/take		
Assessment		nent (CA): 0%	home			
	Final As (FA):100	sessment 0%	Final Assessment (FA): Sit down			
Assessment	Final As	sessment (FA)				
Module type						

Name of programme	MPhil (Population Studies) (3921)				
Module Name:		Official Statistics			
Module Code		POP809 (not off	fered in 2023)		
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		15			
Year level		8			
Breakdown of Learning	Hours	Timetable requ	irements per	Teaching modes that	
time		week		does require timetable	
			Number of		
			periods		
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face	
				Own masters time table,	
				no need to schedule on	
				UWC time table.	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
	100		I	1	
Assignments & tasks	30			Individual/group	
				Sit down/take home	
Assessments	5			Sit down/take home	
Self- study	60			Learning guides and	
				course readers	
Other	4			 Presentations 	
Total Learning	150				
Time					
			1 -		
Method of Student		Continuous Assessment		Assessment (CA): Sit	
Assessment (CA): 0%			down/take home		
	Assessr	Assessment (FA):100%		ment (FA): Sit down	
Assessment	Final As	Final Assessment (FA)			
Module type					

Name of programme		MPhil (Population Studies) (3921)			
Module Name:		Survey Methods			
Module Code		POP811 (not offered in 2023)			
Proposed Semester(s) to be offered		First Semester			
NQF Level Credits		15			
Year level		8			
Breakdown of	Hours	Timetable requirements per		Teaching modes that does	
Learning time		week		require timetable	
			Number of		
			periods		
Contact with	21	Lectures p.w.	1	Face to Face	
lecturer/tutor				Own masters time table, no	
				need to schedule on	
				UWC time table.	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30			Individual/group	
				Sit down/take home	
Assessments	5			Sit down/take home	
Self- study	60			Learning guides and	
				course readers	
Other	4			Presentations	
Total Learning	150				
Time					
Method of Student	Continuous Assessment		Continuous Assessment (CA): Sit down/take		
Assessment	(CA): 0%		home		
	Assessme	ent (FA):100%	Final Assessment (FA): Sit down		
Assessment	Final Assessment (FA)				
Module type					

Name of programme		MPhil (Population Studies) (3921)			
Module Name:		Population Projections			
Module Code		POP812 (not offered in 2023)			
Proposed Semester(s) to be offered NQF Level Credits		Second Semester 15			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
			Number of periods	•	
Contact with	21	Lectures p.w.	1	Face to Face	
lecturer/tutor				Own masters time table, no	
				need to schedule on	
				UWC time table.	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30			 Individual/group 	
				Sit down/take home	
Assessments	5			Sit down/take home	
Self- study	64			Learning guides and	
				course readers	
Other	4			Presentations	
Total Learning	150				
Time					
Method of Student	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down		
Assessment					
Assessment	Final Assessment (FA)				
Module type					

Name of programme		MPhil (Population Studies) (3921)			
Module Name:		African Historical Demography 1			
Module Code		POP813 (not offered in 2023)			
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		15			
Year level		8			
Breakdown of	Hours Timetable		uirements per	Teaching modes that does	
Learning time		week		require timetable	
			Number of		
			periods		
Contact with	21	Lectures p.w.	1	Face to Face	
lecturer/tutor				Own masters time table,	
				no need to schedule on UWC	
	0	-		time table.	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
	00		T	1	
Assignments & tasks	30			Individual/group	
				Sit down/take home	
Assessments	5			Sit down/take home	
Self- study	64			Learning guides and	
				course readers	
Other	4			Presentations	
Total Learning	150				
Time					
Method of Student	Continuous		Continuous Assessment (CA): Sit down/take		
Assessment	Assessment (CA): 0%		home		
	Final Assessment (FA):100%		Final Assessment (FA): Sit down		
Assessment	Final Assessment (FA)				
Module type	i iidi Assossificili (i A)				
meano typo	l		1		

Name of programme		MPhil (Population Studies) (3921)			
Module Name:		Social Demography			
Module Code		POP814 (not offered in 2023)			
Proposed Semester(s) to be offered		Second Semester			
NQF Level Credits		15			
Year level		8			
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable	
			Number of periods		
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face Own masters time table, no need to schedule on UWC time table.	
Tutorials	0	Tutorial p.w	0		
Practicals	30	Practicals p.w	0		
Assignments & tasks	30			Individual/groupSit down/take home	
Assessments	5			Sit down/take home	
Self- study	64			Learning guides and course readers	
Other	4			Presentations	
Total Learning Time	150				
Method of Student	Continuous		Continuous Assessment (CA): Sit		
Assessment	Assessment (CA): 0% Final Assessment (FA):100%		down/take home Final Assessment (FA): Sit down		
Assessment	Final Assessment (FA)				
Module type					

Name of programme		MPhil (Population Studies) (3921)				
Module Name:		Gender Issues and Reproductive Health				
Module Code		POP815 (not offered in 2023)				
Proposed Semester(s) to be offered		Second Semester				
NQF Level Credits		15				
Year level		8				
Breakdown of Hours		Timetable requirements p		Teaching modes that does		
Learning time		Number of periods		require timetable		
Contact with lecturer/tutor	21	Lectures p.w.	1	Face to Face Own masters time table, no need to schedule on UWC time table.		
Tutorials	0	Tutorial p.w	0			
Practicals	30	Practicals p.w	0			
Assignments & tasks	30			Individual/groupSit down/take home		
Assessments	5			Sit down/take home		
Self- study	64			Learning guides and course readers		
Other	4			Presentations		
Total Learning Time	150					
	1					
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down			
Assessment Module type	Final Assessment (FA)			· ·		

Name of programme		MPhil (Population Studies) (3921)			
Module Name:		Mathematical Demography and Population Modelling			
Module Code		POP848 (not offered in 2023)			
Proposed Semester(s) to be offered					
NQF Level Credits		15			
Year level		8			
Breakdown of	Hours	Timetable requirements per		Teaching modes that does	
Learning time		week		require timetable	
			Number of		
			periods		
Contact with	21	Lectures p.w.	1	Face to Face	
lecturer/tutor				Own masters time table,	
				no need to schedule on	
Tutorials	0	Tutorial nous	0	UWC time table.	
Practicals	30	Tutorial p.w Practicals p.w	0		
Practicals	30	Practicals p.w	[0		
Assignments & tasks	30			Individual/group	
Assignments & tasks	30			Sit down/take home	
	_				
Assessments	5			Sit down/take home	
Self- study	64			Learning guides and	
				course readers	
Other	4			Presentations	
Total Learning	150				
_	150				
Time			l		
Method of Student	Continuo	ous	Continuous As	ssessment (CA): Sit down/take	
Assessment	Assessment (CA): 0%		home		
Addeddinont		sessment	Final Assessment (FA): Sit down		
	(FA):100%		i iilai Assessiii	on (1 A). On down	
Assessment	Final Assessment (FA)				
Module type					