



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 Science 153		
Module Code		ISC153		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		30 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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 Assessment (CA): sit down/take home.	
Assessment Module type	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 time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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%		<i>Continuous Assessment (CA):</i> Sit down, Online, and take-home. <i>Final Assessment (FA):</i> Sit down.	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		ECP Natural Science 3015, 3007, 3019, 3027		
Module Name:		Life Science 152		
Module Code		LFS152		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		15 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual/group • Online/take home
Assessments	15			Sit down
Self- study	82			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode • Study groups
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		Service course presented to several faculties 3217, 3214, 3220, 3331, 3230		
Module Name:		Life Science 141		
Module Code		LSC141		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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				<ul style="list-style-type: none"> Individual Sit down/take home
Assessments	6			Sit down
Self- study	32			<ul style="list-style-type: none"> Learning guides, textbook, ppt slides and course readers
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		Service course presented to several faculties 3217, 3214, 3220, 3331		
Module Name:		Life Science 142		
Module Code		LSC142		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		15 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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				<ul style="list-style-type: none"> Individual Sit down/take home/online
Assessments	6			Sit down/take home
Self- study	46			<ul style="list-style-type: none"> Learning guides, textbook, ppt slides and course readers
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down/take home/online <i>Final Assessment (FA):</i> Sit down/take home/online	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3217, 3015, 3331, 3027		
Module Name:		Plant Diversity 221		
Module Code		BDC221		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		20 credits		
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	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	14			Sit down
Self- study	30			<ul style="list-style-type: none"> • Learning guides and course readers • Internet
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Online/Sit down/Take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		Service course to Faculty of Education 4516		
Module Name:		Plant Diversity 231		
Module Code		BDC231		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		20 credits		
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	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	14			Sit down
Self- study	30			<ul style="list-style-type: none"> • Learning guides and course readers • Internet
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Online/Sit down/Take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3217, 3015, 3331, 3027		
Module Name:		Population Biology and Evolution 222		
Module Code		BDC222		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		20 credits		
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	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			<ul style="list-style-type: none"> Individual/group Online/Sit down/take home
Assessments	12			Online/Sit down/take home
Self- study	50			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<ul style="list-style-type: none"> <i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Online/Sit down/take home 	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3217, 3015, 3331, 3027		
Module Name:		Animal Diversity 211		
Module Code		BDC211		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		20 credits		
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	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			<ul style="list-style-type: none"> Individual and group Online, sit down, take home
Assessments	12			Sit down and take home
Self- study	50			<ul style="list-style-type: none"> Notes and videos Online – asynchronous
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down and take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		Service course to Faculty of Education 4516		
Module Name:		Animal Diversity 232		
Module Code		BDC232		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		20 credits		
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	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			<ul style="list-style-type: none"> Individual and group Online, sit down, take home
Assessments	12			Sit down and take home
Self- study	50			<ul style="list-style-type: none"> Notes and videos Online – asynchronous
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down and take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3217, 3015, 3331, 3027		
Module Name:		Animal and Plant Ecophysiology 223		
Module Code		BDC223		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		20 credits		
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	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 Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Online/Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3217, 3015		
Module Name:		Land-use and Conservation 332/Living Landscapes 333 (teach-out)		
Module Code		BDC332/ESS333 (teach-out)		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		30 credits		
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	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			<ul style="list-style-type: none"> Four preparatory assignments to help with Project and preparation of Academic Essay writing All Take-home
Assessments	66			<ul style="list-style-type: none"> Academic Essay Two Individual Term Projects (Mapping and Planning) Final Assessment Conservation Project
Self- study	60			<ul style="list-style-type: none"> Research-based skills Computer-based skills development (G.I.S. & Interpretation)
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Take home

		Final Assessment (FA): Take home		
Assessment Module type	Continuous and Final Assessment (CFA)			
Programme		3217, 3015		
Module Name:		Animal Behaviour and Systematics 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 requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none">Individual and groupOnline, sit down, take home
Assessments	14			Sit down and take home
Self- study	100			<ul style="list-style-type: none">Notes and videosOnline – asynchronous
TOTAL Learning Time	300			
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 Final 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 time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual/group Online/Sit down/take home
Assessments	10			Sit down
Self- study	100			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3217, 3015		
Module Name:		Community and Ecosystem Ecology 335		
Module Code		BDC335		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		30 credits		
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	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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	10			Sit down
Self- study	100			<ul style="list-style-type: none"> Learning guides and course readers Internet
TOTAL Learning Time	300			
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 Final 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(s) to be offered		Both Semesters		
NQF Level Credits		Level 8, 40 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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		
Module Code		BCB736		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		Level 8, 20 credits		
Year level		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.	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			<ul style="list-style-type: none"> Two preparatory assignments Both Take-home
Assessments	64			<ul style="list-style-type: none"> Clast Test (Sit Down) Final Assessment Project (Take Home)
Self- study	24			<ul style="list-style-type: none"> 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%			<i>Continuous Assessment (CA):</i> Take home <i>Final Assessment (FA):</i> Take home

Programme		BSc Hons (Biodiversity & Conservation Biology) 3731		
Module Name:		Marine Biology 738		
Module Code		BCB738		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		Level 8, 20 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Face to face/Take home/Online
Assessments	0			0
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • Journal articles • Prescribed/suggested texts • Internet
TOTAL Learning Time	200			
Method of Student Assessment				
Assessment Module type	Continuous Assessment (CA): 100%		Continuous Assessment (CA): Online/Face to face/Take home	

Programme		BSc Hons (Biodiversity & Conservation Biology) 3731		
Module Name:		Herpetology 739		
Module Code		BCB739		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		Level 8, 20 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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		
Module Code		BCB742		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		Level 8, 20 credits		
Year level		1		
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.	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		BCB743		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		Level 8, 20 credits		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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 Time	200			
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(s) to be offered		Level 8, 20 credits		
NQF Level Credits		1		
Year level				
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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 Time	200			
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:		Introduction to Microorganisms		
Module Code		BTN211		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual/group Online and prac sit down
Assessments	24			Online and prac sit down
Self- study	62			<ul style="list-style-type: none"> Learning guides and course readers online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			<i>Continuous Assessment (CA):</i> Online and sit down
Assessment Module type	Continuous Assessment (CA)			

Programme		BSc (Biotechnology) (3211, 3007) BSc (Chemical Sciences) (3220) BSc (Medical Bioscience) (3230, 3035)		
Module Name:		Food Biotechnology		
Module Code		BTN213		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual/group • Online and prac sit down
Assessments	24			Online and prac sit down
Self- study	62			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> 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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual/group • Online and prac sit down
Assessments	24			Online and prac sit down
Self- study	62			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			<i>Continuous Assessment (CA):</i> 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:		Quantitative Methods in Biotechnology		
Module Code		BTN215		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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	
Assignments	40			<ul style="list-style-type: none"> • Individual • Online and sit down
Assessments	40			Online and sit down
Self- study	75			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			<i>Continuous Assessment (CA):</i> 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 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	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 time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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	30			<ul style="list-style-type: none"> • Individual/group • Online and prac sit down
Assessments	30			Online and prac sit down
Self- study	0			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			<i>Continuous Assessment (CA):</i> Online and sit down
Assessment Module type	Continuous Assessment (CA)			

Programme		BSc (Biotechnology) (3211, 3007)		
Module Name:		Plant and Agricultural Biotechnology		
Module Code		BTN218		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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 – Face to face
Practicals	54	Practicals p.w	6	P1 to P6 – Face to face
Assignments & tasks	24			<ul style="list-style-type: none"> • Individual/group • Sit down
Assessments	24			Sit down
Self- study	62			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Biotechnology) (3211, 3007)		
Module Name:		Molecular Biology I		
Module Code		BTN222		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual/group assignments and individual quiz Online and prac sit down
Assessments	24			Sit down class test and prac sit down
Self- study	62			<ul style="list-style-type: none"> Learning guides and course readers online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Online and sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Biotechnology) (3211, 3007)		
Module Name:		Biochemistry I		
Module Code		BTN223		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual/group • Online and prac sit down
Assessments	24			Online and prac sit down
Self- study	62			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			<i>Continuous Assessment (CA):</i> Online and sit down
Assessment Module type	Continuous Assessment (CA)			

Programme		BSc (Biotechnology) (3211, 3007)		
Module Name:		Environmental and Industrial Microbiology		
Module Code		BTN312		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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
Assignments & tasks	48			<ul style="list-style-type: none"> • Individual/group • Online and prac sit down
Assessments	32			Online and prac sit down
Self- study	120			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Online/take home/ sit down <i>Final Assessment (FA):</i> Sit down/online
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Biotechnology) (3211, 3007)		
Module Name:		Molecular Biology II		
Module Code		BTN315		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual/group • Online and prac sit down
Assessments	32			Online and prac sit down
Self- study	120			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Online and sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Biotechnology) (3211, 3007)		
Module Name:		Human Biotechnology		
Module Code		BTN316		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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 – Face to Face / Online P2 – Face to Face / Online
Practicals	55	Practicals p.w	6	P1 to P6 – Face to face
Assignments & tasks	48			<ul style="list-style-type: none"> • Individual • Online and prac sit down
Assessments	32			Online and prac sit down
Self- study	120			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Online and sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Biotechnology) (3211, 3007)		
Module Name:		Biochemistry II		
Module Code		BTN322		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual/group Online and prac sit down
Assessments	32			Online and prac sit down
Self- study	120			<ul style="list-style-type: none"> Learning guides and course readers online – asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> 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		
Module Code		BTY701		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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 Final Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Literature Review 702		
Module Code		BTY702		
Proposed Semester(s) to be offered		Both Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Take home	
Assessment Module type	Continuous Assessment (CA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Research Project 703		
Module Code		BTY703		
Proposed Semester(s) to be offered		Both Semester		
NQF Level Credits		40		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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 Assessment (CA): Take home	
Assessment Module type	Continuous Assessment (CA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Advanced Plant Biotechnology 704		
Module Code		BTY704		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		Continuous Assessment (CA): Take home Final Assessment (FA): Take home	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Genomics and Molecular Genetics 709		
Module Code		BTY709		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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 Assessment (CA): Take home/online/sit down	
Assessment Module type	Continuous Assessment (CA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Apoptosis 710		
Module Code		BTY710		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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 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%		Continuous Assessment (CA): Take home/online Final Assessment (FA): Take home/Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707) BSc Hons (Medical Bioscience) (3721)		
Module Name:		Forensic DNA Analysis		
Module Code		BTY714		
Proposed Semester(s) to be offered		1		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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%		<i>Continuous Assessment (CA):</i> Online take home weekly Quiz via Ikamva. <i>Final Assessment (FA):</i> Sit down test	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Special Topics 717		
Module Code		BTY717		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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 Assessment (CA): Take home/Sit down	
Assessment Module type	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 Learning time	Hours	Breakdown of Learning time		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	8	Practicals p.w	2	P1 to P2 – Face to Face
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			
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 Final Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Biofuels 719		
Module Code		BTY719		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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 Online/Sit down/take home
Assessments	2			Sit down
Self- study	54			Course material Online – Asynchronous mode
Other	12			
TOTAL Learning Time	100			
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 Final Assessment (CFA)			

Programme		BSc Hons (Biotechnology) (3707)		
Module Name:		Molecular Mechanisms of Cancer 721		
Module Code		BTY721		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			
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		
Module Code		BTY722		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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%		Continuous Assessment (CA): Take home Final assessment (FA): Sit down	
Assessment Module type	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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	15			Sit down
Self- study	45			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3019, 3220, 3305, 3011, 3214, 3120, 3233		
Module Name:		Chemistry 124		
Module Code		CHE124		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		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	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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	15			Sit down
Self- study	45			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> 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		CHE116		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		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	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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	15			Sit down
Self- study	45			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3217, 3015, 3211, 3007, 3331, 3027, 3230, 3035		
Module Name:		Chemistry 126		
Module Code		CHM126		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		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	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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	15			Sit down
Self- study	45			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> 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		Year		
NQF Credit Value		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	15			Sit down
Self- study	68			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		5101		
Module Name:		Chemistry 118		
Module Code		CHE118		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		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	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			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> 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 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.	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			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	100			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3211, 3007, 3220, 3019, 3233, 3120		
Module Name:		Chemistry 211		
Module Code		CHM211		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	12			Sit down
Self- study	48			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3211, 3007, 3019, 3220, 3233, 3120		
Module Name:		Chemistry 212		
Module Code		CHM212		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	12			Sit down
Self- study	48			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> 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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	12			Sit down
Self- study	48			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3220, 3019, 3233, 3120		
Module Name:		Chemistry 311		
Module Code		CHM311		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	12			Sit down
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> 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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	12			Sit down
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> 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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	12			Sit down
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	12			Sit down
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734		
Module Name:		Chemistry 701		
Module Code		CHM701		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	30			Sit down
Self- study	40			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	30			Sit down
Self- study	40			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734		
Module Name:		Chemistry 703		
Module Code		CHM703		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	30			Sit down
Self- study	40			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734		
Module Name:		Chemistry 704		
Module Code		CHM704		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	30			Sit down
Self- study	40			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734		
Module Name:		Chemistry 705		
Module Code		CHM705		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	30			Sit down
Self- study	40			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Honours) in Chemical Sciences 3734		
Module Name:		Chemistry 707		
Module Code		CHM707		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		30		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Literature search
Other:	80			<ul style="list-style-type: none"> Lab Skills
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%			<i>Final Assessment (FA):</i> Presentation & write-up
Assessment Module type	Final Assessment (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 of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> Individual Online/take home
Assessments	0			
Self- study	20			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			<i>Continuous Assessment (CA):</i> Assignments & Tasks
Assessment Module type	Continuous and Final Assessment (CFA)			

FACULTY OF NATURAL SCIENCES
DEPARTMENT: Computer Science

Programme		3214, 3211, 3230, 3221, 3227, 3233		
Module Name:		Computing Fundamentals 114		
Module Code		COS114		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	10			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	66			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Name of programme		3214, 3211, 3230 ,3221, 3227, 3233		
Module Name:		Computing Fundamentals 124		
Module Code		COS124		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	10			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	66			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3221, 3023, 3233, 3120, 3227		
Module Name:		Computer Science 101		
Module Code		COS101		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		30		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	20			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	64			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	300			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3221, 3023, 3227, 3233, 3120		
Module Name:		Computer Science 211		
Module Code		CSC211		
Proposed Semester(s) to be offered		First 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	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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	9			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	37			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	200			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3221, 3023, 3227, 3233, 3120		
Module Name:		Computer Science 212		
Module Code		CSC212		
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	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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	9			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	37			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	200			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3221, 3023, 3227, 3233, 3120		
Module Name:		Computer Science 311		
Module Code		CSC311		
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	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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	3			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	143			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	300			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3221, 3023, 3227, 3233, 3120		
Module Name:		Computer Science 312		
Module Code		CSC312		
Proposed Semester(s) to be offered		Second 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	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)
Assignments & tasks	28			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	3			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	143			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	300			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
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 requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	9			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	57			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (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 requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Take home
Assessments	0			<ul style="list-style-type: none"> • Online • Take home
Self- study	24			<ul style="list-style-type: none"> • Project research • Project Design • Project Prototyping
Other	1			<ul style="list-style-type: none"> • Project Presentation
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3735		
Module Name:		Computer Science 732		
Module Code		COS732		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Take home
Assessments	0			<ul style="list-style-type: none"> • Online • Take home
Self- study	29			<ul style="list-style-type: none"> • Project research • Project Implementation • Project Testing
Other	1			<ul style="list-style-type: none"> • Project Presentation
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3735		
Module Name:		Computer Science 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 requirements per week		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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Tests & Examinations	55			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	0			<ul style="list-style-type: none"> • Learning guides and course readers • online resources
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3735		
Module Name:		Computer Science 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 requirements per week		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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Tests & Examinations	55			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	0			<ul style="list-style-type: none"> • Learning guides and course readers • online resources
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3735		
Module Name:		Computer Science 737		
Module Code		COS737		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	8			<ul style="list-style-type: none"> • Online • Sit down • Take home
Self- study	58			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3735		
Module Name:		Computer Science 738		
Module Code		COS738		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	0			
Self- study	55			<ul style="list-style-type: none"> • Learning guides and course readers • online resources
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Programme		3735		
Module Name:		Computer Science 739		
Module Code		COS739		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> • Online • Sit down • Take home
Assessments	0			
Self- study	55			<ul style="list-style-type: none"> • Learning guides and course readers • online resources
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Sit down • Take home 	
Assessment Module type	Continuous Assessment (CA)			

Name of programme		3735		
Module Name:		Computer Science 740		
Module Code		COS740 new		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Online • Take home
Assessments	0			<ul style="list-style-type: none"> • Online • Take home
Self- study	55			<ul style="list-style-type: none"> • Learning guides and course readers • Online resources
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment: 100%		<ul style="list-style-type: none"> • Online • Take home 	
Assessment Module type	Continuous Assessment (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		1st Semester		
NQF Level Credits		15		
Year level		1		
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	• 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 & tasks	12			• Individual/group • 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 Time	150			
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 Final Assessment (CFA)			

Programme		3214, 3011, 3331, 3027		
Module Name:		Geology 231		
Module Code		APG231		
Proposed Semester(s) to be offered		1st Semester		
NQF Credit Value		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	36	Lectures p.w.	3	P1 & P2 - Online P3 - Face to face
Tutorials	0	Tutorial p.w	0	
Practicals	72	Practicals p.w	2	All face to face
Assignments & tasks	38			<ul style="list-style-type: none"> Individual and group Online and sit down and take home
Assessments	32			Online/Sit down/take home
Self-study	22			<ul style="list-style-type: none"> Learning guides and course readers Online – asynchronous mode Prescribed textbook
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down/Take home
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3214, 3011, 3027, 3331		
Module Name:		Geology 232		
Module Code		APG232		
Proposed Semester(s) to be offered		2nd 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	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
Assignments & tasks	30			<ul style="list-style-type: none"> • Individual and group • Online/Sit down/take home
Assessments	12			Online/Sit down/take home
Self- study	32			<ul style="list-style-type: none"> • Learning guides and course readers • Online – asynchronous mode
TOTAL Learning Time	300-200 typo			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3214, 3011		
Module Name:		Geology 233		
Module Code		APG233		
Proposed Semester(s) to be offered		1 st OR 2 nd 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	32	Lectures p.w.	0	60% of the course is conducted in the field outside of the University Campus
Tutorials	0	Tutorial p.w	0	
Practicals	32	Practicals p.w	1	
Assignments & tasks	78			• Individual/group
Assessments	8			Take home/Field work
Self- study	50			• Learning guides and course readers • Literature research
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Field Work /Take home	
Assessment Module type	Continuous Assessment (CA)			

Programme		3214, 3011		
Module Name:		Geology 311		
Module Code		APG311		
Proposed Semester(s) to be offered		1st 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	65	Lectures p.w.	3	<ul style="list-style-type: none"> • P1 and P2: Online • P3: Face to face
Tutorials	0	Tutorial p.w	0	
Practicals	75	Practicals p.w	2	<ul style="list-style-type: none"> • All face to face
Assignments & tasks	60			<ul style="list-style-type: none"> • Individual/group (online, in lab or take home)
Assessments	10			<ul style="list-style-type: none"> • Online in a controlled environment (computer lab)
Self- study	90			<ul style="list-style-type: none"> • Learning guides and course readers • Online –asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<ul style="list-style-type: none"> • <i>Continuous Assessment (CA): Online in a controlled environment (computer lab) or take home</i> • <i>Final Assessment (FA): Sit down (in a controlled environment)</i> 	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3214, 3011		
Module Name:		Geology 312		
Module Code		APG312		
Proposed Semester(s) to be offered		1st 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	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
Assignments & tasks	60			<ul style="list-style-type: none"> • Individual • Sit down/ take home
Assessments	30			<ul style="list-style-type: none"> • Online/ Sit down/ take home
Self- study	84			<ul style="list-style-type: none"> • Learning guides and course readers • Online –asynchronous mode
Total Learning Time	300			
Method of Student Assessment	Continuous assessment (CA) : 50% Final assessment (FA): 50%		<i>Continuous assessment (CA): Sit down/ take home/Online Final assessment (CA): Sit down</i>	
Assessment Module type	Continuous and final assessment (CFA)			

Programme		3214, 3011		
Module Name:		Geology 321		
Module Code		APG321		
Proposed Semester(s) to be offered		2nd 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	42	Lectures p.w.	3	P1 to P3 – All face to Face
Tutorials	0	Tutorial p.w	0	
Practicals	84	Practicals p.w	2	All face to Face
Assignments & tasks	60			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	30			Sit-down/online
Self-study	84			<ul style="list-style-type: none"> Learning guides and course notes Online – asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50%		<i>Continuous Assessment (CA):</i> Online/sit down/take home	
	Final Assessment (FA): 50%		<i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3214, 3011		
Module Name:		Geology 322		
Module Code		APG322		
Proposed Semester(s) to be offered		2nd 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	18	Lectures p.w.	3	P1 & P2 - Online P3 - Face to face
Tutorials	12	Tutorial p.w	2	
Practicals	76	Practicals p.w	2	All face to face
Assignments & tasks	62			<ul style="list-style-type: none"> • Individual and group • Sit down and take home
Assessments	60			Sit down/take home/field work
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • Online – asynchronous mode • Prescribed textbook reading
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 40% Final Assessment (FA): 60%		<i>Continuous Assessment (CA):</i> Sit down/take home/field work <i>Final Assessment (FA):</i> Sit down/Field report	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3710		
Module Name:		Research Project 709		
Module Code		APG709		
Proposed Semester(s) to be offered		Year		
NQF Level Credits		30		
Year level		7 1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	50	Lectures p.w.	0	• Meetings with supervisor
Tutorials	0	Tutorial p.w	0	
Practicals	50	Practicals p.w	0	• Independent research guided by a supervisor
Assignments & tasks	14			• Individual
Assessments	6			• Oral/online/sit down/take home
Self- study	180			• Independent research
TOTAL Learning Time	300			
Method of Student Assessment	Final Assessment (FA): 100%		<i>Final Assessment (FA): Oral, take home</i>	
Assessment Module type	Final Assessment (FA)			

Programme		3710		
Module Name:		Advanced Geology 721		
Module Code		APG721		
Proposed Semester(s) to be offered		1st Semester		
NQF Level Credits		30		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	80	Lectures p.w.	10	P1 to P10 – Face to face (Departmental Venue)
Tutorials	0	Tutorial p.w	0	
Practicals	70	Practicals p.w	1	P1 – Face to face (Departmental Venue & Off- campus field work)
Assignments & tasks	70			<ul style="list-style-type: none"> • Individual/group • Sit down/take home • Field work
Assessments	30			<ul style="list-style-type: none"> • Online/sit down/take home • Field report and field work
Self- study	50			<ul style="list-style-type: none"> • Learning guides and course readers • Online - asynchronous
TOTAL Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50%		<i>Continuous Assessment (CA):</i> Sit down/online/take home	
	Final Assessment (FA): 50%		<i>Final Assessment (FA):</i> Sit down/take home	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3710		
Module Name:		Applied Geochemistry		
Module Code		APG722		
Proposed Semester(s) to be offered		2nd Semester		
NQF Credit Value		20		
Year level		8 1		
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 &3 - Online
Tutorials				
Practicals	40	Practicals p.w	2	P1 to P2 – Face to face
Assignments & tasks	68			<ul style="list-style-type: none"> • Individual • Online/take home
Assessments	12			Online/take home
Self- study	20			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home
Assessment Module type	Continuous Assessment (CA)			

Programme		3710		
Module Name:		Economic Geology & Exploration Techniques		
Module Code		APG723		
Proposed Semester(s) to be offered		2nd Semester		
NQF Level Credits		20		
Year level		8 1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	70	Lectures p.w.	10	Face to face (Departmental Venue)
Tutorials	0	Tutorial p.w	0	
Practicals	90	Practicals p.w	12	Face to face (Departmental Venue)
Assignments & tasks	10			<ul style="list-style-type: none"> • Individual • Sit down/ take home
Assessments	10			<ul style="list-style-type: none"> • Individual • Sit down/ take home
Self- study	20			<ul style="list-style-type: none"> • Learning guides and course readers
Total Learning Time	200			
Method of Student Assessment	Continuous assessment (CA): 50% Final assessment (FA): 50%		<i>Continuous assessment (CA): Sit down/ take home</i> <i>Final assessment (CA): Sit down</i>	
Assessment Module type	Continuous and final assessment (CFA)			

Programme		3710		
Module Name:		Geology 724		
Module Code		APG724		
Proposed Semester(s) to be offered		1st Semester		
NQF Level Credits		20		
Year level		7-1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Sit down/ take home
Assessments	10			<ul style="list-style-type: none"> • Individual • Sit down/ take home
Self- study	40			<ul style="list-style-type: none"> • Learning guides and course readers
Total Learning Time	200			
Method of Student Assessment	Continuous assessment (CA): 50% Final assessment (FA): 50%		<i>Continuous assessment (CA): Sit down/ take home</i> <i>Final assessment (CA): Sit down</i>	
Assessment Module type	Continuous and final assessment (CFA)			

DEPARTMENT: Earth Sciences - EWS

Programme		3214, 3011, 3217, 3015, 3331, 3027, 3233		
Module Name:		Earth Science 121		
Module Code		ESC121		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		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.	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			<ul style="list-style-type: none"> • 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%		Continuous Assessment (CA): Sit-down and take-home Final Assessment (FA): Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3214, 3011, 3217, 3015, 3331, 3027		
Module Name:		Environmental & Water Science 211		
Module Code		EWP211		
Proposed Semester(s) to be offered		First 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	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			<ul style="list-style-type: none"> 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 Final Assessment (CFA)			

Programme		3214, 3011, 3217, 3015, 3331, 3027		
Module Name:		Environmental & Water Science 221		
Module Code		EWP221		
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	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			<ul style="list-style-type: none"> 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 Final Assessment (CFA)			

Programme		3027, 3331		
Module Name:		Environmental & Water Science 222		
Module Code		EWP222		
Proposed Semester(s) to be offered		First 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	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			<ul style="list-style-type: none"> Learning guides and course readers. Online asynchronous learning resources.
Total Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		Continuous Assessment (CA): Sit-down and take-home	
Assessment Module type	Continuous Assessment (CA)			

Programme		3027, 3331		
Module Name:		Environmental & Water Science 311		
Module Code		EWP311		
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	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			<ul style="list-style-type: none"> • 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		3331, 3027		
Module Name:		Environmental & Water Science 312		
Module Code		EWP312		
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	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			<ul style="list-style-type: none"> • 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		3027, 3331, 3217, 3015		
Module Name:		Environmental & Water Science 321		
Module Code		EWP321		
Proposed Semester(s) to be offered		Second 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	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			<ul style="list-style-type: none"> • 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		3027, 3331		
Module Name:		Environmental & Water Science 322		
Module Code		EWP322		
Proposed Semester(s) to be offered		Second 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	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			<ul style="list-style-type: none"> 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		
Module Code		EWP701		
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
			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			<ul style="list-style-type: none"> 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 Final Assessment (CFA)			

Programme		BSc Honours in Environmental & Water Science 3780		
Module Name:		Advanced GIS & Remote Sensing		
Module Code		EWP702		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		20		
Year level		1		
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.	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			<ul style="list-style-type: none"> 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 Final Assessment (CFA)			

Programme		BSc Honours in Environmental & 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
			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			<ul style="list-style-type: none"> • 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 Final Assessment (CFA)			

Programme		BSc Honours in Environmental & 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
			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			<ul style="list-style-type: none"> 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 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 Second Semester		
NQF Level Credits		30		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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 Assessment (FA): 100%		Final Assessment (FA): Research thesis	
Assessment Module type	Final Assessment (FA)			

Programme		BSc Honours in Environmental & Water Science 3780		
Module Name:		Fluvial Geomorphology		
Module Code		EWP706		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		20		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> 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 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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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	
<p>All teaching in the PG Diploma in IWRM is in-house, and takes place in 3-week blocks. There are no timetable implications. The following principles will apply:</p> <p><u>Lectures/tutorials</u>: 2 weeks of daily 3-hour online seminars combining lectures, tutorials and discussions [30 hours].</p> <p><u>Practicals</u>: 1 week of face-to-face practical activities on or off-campus [16 hours].</p> <p><u>Assignments & tasks</u>: Take-home [70 hours].</p> <p><u>Assessments</u>: Sit-down [4 hours].</p> <p><u>Self-study</u>: Learning guides and course readers, online asynchronous learning resources [80 hours]. <u>Total Learning Time</u>: 200 hours.</p>		
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%	Continuous Assessment (CA): Take-home Final Assessment (FA): Sit-down
Assessment Module type	Continuous and Final Assessment (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
<p>The Taught Masters in IWRM is a postgraduate programme that is taught in-house. There are no timetable implications. The following principles will apply:</p> <p>Lectures/tutorials: One 3-hour online seminar per week for six weeks [12 hours].</p> <p>Assignments & tasks: Take-home [88 hours].</p> <p>Self-study: Self-directed research [200 hours].</p> <p>Total Learning Time: 300 hours.</p>	

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
<p>The Taught Masters in IWRM is a postgraduate programme that is taught in-house. There are no timetable implications. The following principles will apply:</p> <p>Lectures/tutorials: One 3-hour online seminar per week for six weeks [12 hours].</p> <p>Assignments & tasks: Take-home [88 hours].</p> <p>Self-study: Self-directed research [200 hours].</p> <p>Total Learning Time: 300 hours.</p>	

Programme		3227, 3031, 3233, 3120		
Module Name:		Mathematics 112		
Module Code		APM112		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	15			Sit down
Self- study	37			<ul style="list-style-type: none"> • Learning guides and course readers • online – synchronous 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 and Final Assessment (CFA)			

Programme		3227, 3233, 3023		
Module Name:		Applied Mathematics 123		
Module Code		APM123		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		1		
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	13	Tutorial p.w.	1	P1 – Face to face
Practicals	26	Practicals p.w.	2	P1 to P2 – face to face
Assignments & tasks	20			<ul style="list-style-type: none"> • Individual • Online, take home
Assessments	30			Sit down
Self- study	22			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Not applicable	
Assessment Module type	Continuous Assessment (CA)			

Programme		1008, 1101, 1753, 7211, 1221		
Module Name:		Quantitative Skills for Commerce 131/132		
Module Code		QSC131/132		
Proposed Semester(s) to be offered		QSC131 in First Semester QSC132 in Second Semester		
NQF Level Credits		15		
Year level		1		
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	13	Tutorial p.w.	1	Face to face
Practicals	13	Practicals p.w.	0	0
Assignments & tasks	20 15			<ul style="list-style-type: none"> • Individual • Online
Assessments	0 5			Sit down
Self- study	65			<ul style="list-style-type: none"> • Engage with the study material on iKamva. • online – asynchronous mode • consulting the lecturer
	150			
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		3227, 3233, 3023		
Module Name:		Mathematics 115		
Module Code		MAM115		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		1		
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	13	Tutorial p.w.	1	Face to face
Practicals	13	Practicals p.w.	4	0
Assignments & tasks	10			<ul style="list-style-type: none"> • Individual • Take home
Assessments	25			Sit down
Self- study	50			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		<i>Continuous Assessment (CA):</i> Sit-down tests and take-home assignments <i>Final Assessment (FA): Not applicable</i>	
Assessment Module type	Continuous Assessment (CA)			

Programme		1008, 1101, 1021, 1753,1175		
Module Name:		Mathematics 126/127		
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 requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Online
Assessments	10			Sit down
Self- study	32			<ul style="list-style-type: none"> • Engage with the study material on iKamva. • online – asynchronous mode
	100			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		<i>Continuous Assessment (CA): Sit down Final Assessment (FA): Not applicable</i>	
Assessment Module type	Continuous and Assessment (CA)			

Programme		3015, 3007, 3027, 3035		
Module Name:		Introduction to Mathematics 150		
Module Code		MAM150		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		15		
Year level		1		
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	13	Tutorial p.w.	1	Face to face
Practicals	13	Practicals p.w.	1	Face to face
Assignments & tasks	10			<ul style="list-style-type: none"> • Individual • Take home
Assessments	15			Sit down
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit-down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3011, 3019, 3023, 3031, 3120		
Module Name:		Mathematics 151		
Module Code		MAM151		
Proposed Semester(s) to be offered		Year		
NQF Level Credits		15		
Year level		1		
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	13	Tutorial p.w.	1	Face to face
Practicals	39	Practicals p.w.	3	P1 to P3 – face to face
Assignments & tasks	10			<ul style="list-style-type: none"> • Individual • Take home
Assessments	9			Sit down
Self- study	40			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit-down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3220, 3233, 3221		
Module Name:		Differential Calculus 103		
Module Code		MAT103		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		15		
Year level		1		
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	13	Tutorial p.w.	1	Face to face
Practicals	39	Practicals p.w.	3	P1 to P3 – face to face
Assignments & tasks	15			<ul style="list-style-type: none"> • Individual • Take home
Assessments	15			Sit down
Self- study	29			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronus mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit- down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3011, 3019, 3023, 3031, 3120		
Module Name:		Mathematics 152		
Module Code		MAM152		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		15		
Year level		1		
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	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			<ul style="list-style-type: none"> • Individual • Sit down
Assessments	10			Sit down
Self- study	13			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit- down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3220, 3233, 3221		
Module Name:		Mathematics 104		
Module Code		MAT104		
Proposed Semester(s) to be offered		Year		
NQF Level Credits		15		
Year level		1		
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	13	Tutorial p.w.	1	Face to face
Practicals	39	Practicals p.w.	3	P1 to P3 – Face to face
Assignments & tasks	15			<ul style="list-style-type: none"> • Individual • Sit down
Assessments	15			Sit down
Self- study	29			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit-down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3220, 3233, 3221		
Module Name:		Differential and Integral Calculus and Linear Algebra 105		
Module Code		MAT105		
Proposed Semester(s) to be offered		Both semesters		
NQF Level Credits		30		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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
Assignments & tasks	30			<ul style="list-style-type: none"> Individual take home
Assessments	14			Sit down
Self- study	100			<ul style="list-style-type: none"> Learning guides, full notes and course readers online – asynchronous mode
	300			
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 and Final Assessment (CFA)			

Programme		3227, 3031, 3220, 3019, 3233, 3120, 3221, 3023		
Module Name:		Mathematics 211		
Module Code		MAT211		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		20		
Year level		2		
Breakdown of Learning time	<i>Hours</i>	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3031, 3220, 3019, 3233, 3120, 3221, 3023		
Module Name:		Mathematics 212		
Module Code		MAT212		
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	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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	10			Sit down tests
Self- study	100			<ul style="list-style-type: none"> • Engage with the study material on iKamva • online – asynchronous mode
	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3031, 3220, 3019, 3233, 3120, 3221, 3023		
Module Name:		Mathematics 221		
Module Code		MAT221		
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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	18			Sit down
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	200			
Method of Student Assessment	Continuous Assessment (CA): 60%		<i>Continuous Assessment (CA):</i> Sit down	
	Final Assessment (FA): 40%		<i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3031, 3220, 3019, 3233, 3120, 3221, 3023		
Module Name:		Discrete Mathematics 232		
Module Code		MAT232		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		20		
Year level		2		
Breakdown of Learning time	<i>Hours</i>	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	52	Practicals p.w.	2	P1 to P2 – Face to face
Assignments & tasks	24			<ul style="list-style-type: none"> • Individual • Sit down
Assessments	25			Sit down
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	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		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 p.w.	2	P1 to P2 – Face to face
Assignments & tasks	40			<ul style="list-style-type: none"> • Individual • Take home
Assessments	23			Sit down
Self- study	120			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit-down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3031, 3233, 3120, 3221, 3023		
Module Name:		Mathematics 312		
Module Code		MAT312		
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	26	Tutorial p.w.	2	P1 to P2 – Face to face
Practicals	23	Practicals p.w.	3	P1 to P3 – Face to face
Assignments & tasks	23			<ul style="list-style-type: none"> • Individual • Take home
Assessments	39			Sit down
Self- study	150			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	300			
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 and Final Assessment (CFA)			

Programme		3227, 3031, 3233, 3120, 3221, 3023		
Module Name:		Complex Analysis and Modern Algebra 321		
Module Code		MAT321		
Proposed Semester(s) to be offered		Second 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	30	Practicals p.w.	3	P1 to P3 – Face to face
Assignments & tasks	33			<ul style="list-style-type: none"> • Individual • Online
Assessments	78			Sit down
Self- study	120			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3227, 3031, 3233, 3120, 3221, 3023		
Module Name:		Mathematics 322		
Module Code		MAT322		
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	39	Tutorial p.w.	1	Face to face
Practicals	20	Practicals p.w.	1	Face to face
Assignments & tasks	16			<ul style="list-style-type: none"> • Individual • Take home
Assessments	26			Sit down
Self- study	160			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3736, 3739		
Module Name:		Stochastic Calculus for Finance 714		
Module Code		COF714		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			Prescribed books and other study material.
	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit- down tests and take-home assignments. <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3736, 3739		
Module Name:		Financial Engineering 716		
Module Code		COF716		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronus mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit- down tests and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3736, 3739		
Module Name:		Ordinary Differential Equations 707		
Module Code		MAM707		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
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.	2	P1 to P2 – Face to face
Tutorials	28	Tutorial p.w.	0	0
Practicals	0	Practicals p.w.	1	Online
Assignments & tasks	32			<ul style="list-style-type: none"> • Individual • Take home
Assessments	12			Sit down
Self- study	36			<ul style="list-style-type: none"> • 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 and Final Assessment (CFA)			

Programme		3736		
Module Name:		Number Theory 709		
Module Code		MAM709		
Proposed Semester(s) to be offered		First or Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit-down and take-home assignments <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3736		
Module Name:		Graph Theory 710		
Module Code		MAM710		
Proposed Semester(s) to be offered		First or Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down tests and take-home assignments <i>Final Assessment (FA):</i> 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 Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3736		
Module Name:		Measure and Integration 727		
Module Code		MAM727		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • 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 and Final Assessment (CFA)			

Programme		3736		
Module Name:		Computational Linear Algebra 728		
Module Code		MAM728		
Proposed Semester(s) to be offered		First or Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	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		3736		
Module Name:		Mathematical Physics 731		
Module Code		MAM731		
Proposed Semester(s) to be offered		First or Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 70% Final Assessment (FA): 30%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

New module in 2023.

Programme		3736		
Module Name:		Category Theory and Order Theory 732		
Module Code		MAM732		
Proposed Semester(s) to be offered		First or Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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	45			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	52			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
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		3736		
Module Name:		Topology 737		
Module Code		MAM737		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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	55			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			0
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		<i>Continuous Assessment (CA):</i> Sit- down tests and take-home assignments <i>Final Assessment (FA):</i> Not Applicable	
Assessment Module type	Continuous Assessment (CA)			

Programme		3736		
Module Name:		Functions of a Complex Variable 738		
Module Code		MAM738		
Proposed Semester(s) to be offered		First or Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • 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 Assessment (CA)			

Programme		3736		
Module Name:		Group Theory 739		
Module Code		MAM739		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • 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 Assessment (CA)			

Programme		3736, 3735		
Module Name:		Coding Theory 747		
Module Code		MAM747		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> 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 Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • 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 Assessment (CA)			

Programme		3736		
Module Name:		Rings and Modules 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 requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA): Sit down</i> <i>Final Assessment (FA): Sit down</i>	
Assessment Module type	Continuous Assessment (CA)			

Programme		3736		
Module Name:		Functional Analysis 767		
Module Code		MAM757		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous Assessment (CA)			

Programme		3736		
Module Name:		Numerical Analysis 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 requirements per week		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			<ul style="list-style-type: none"> • Individual • Take home
Assessments	8			Sit down
Self- study	72			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

DEPARTMENT: MEDICAL BIOSCIENCE

Name of programme		BPharm 3305		
Module Name:		Human Biology for Pharmacy 113		
Module Code		HUB113		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		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	42	Lectures p.w.	3	P1 - Online P2 - Online 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			<ul style="list-style-type: none"> ● Individual ● Online/Sit down/take home
Assessments	9			Sit down
Self- study	38			<ul style="list-style-type: none"> ● Learning guides and course readers ● online – asynchronous mode
Other	9			
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Bachelor of Nursing (8313)		
Module Name:		Human Biology for Nursing 114		
Module Code		HUB114		
Proposed Semester(s) to be offered		Both semester 1&2		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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%		<i>Continuous Assessment (CA):</i> sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of Programme		BSc Occupational Therapy (8111) BSc Physiotherapy (8211)		
Module Name:		Introduction to the Human Body I		
Module Code		HUB117		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		15		
Year level		Year 1		
Breakdown of Learning time	<i>Hours</i>	Timetable requirements per week		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			<ul style="list-style-type: none"> • Individual or Group • Online/Sit Down/Take Home
Assessments	12			Sit Down
Self- Study	30			<ul style="list-style-type: none"> • Learning guides and course readers. • Online
Other				
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit Down (All Tests) Online (Quiz & Assignments) <i>Final Assessment (FA):</i> Sit Down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		Bachelor of Nursing (8311)		
Module Name:		Human Biology for Nursing I		
Module Code		HUB118		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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
Total Learning Time				Online: various tools available
Method of Student Assessment	Continuous assessment (CA): 50% Final assessment (FA): 50%		<i>Continuous Assessment (CA): Online & Sit down</i> <i>Final Assessment (FA): Sit down</i>	
Assessment Module type	Continuous and final assessment (CFA)			

Name of programme		Introduction to Human Biology		
Module Name:		HUB 123		
Module Code		301123		
Proposed Semester(s) to be offered		First		
NQF Level Credits		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	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 and Practical Evaluations) = 50% Examination Mark = 50%	

Name of programme		Bachelor of Nursing (8313)		
Module Name:		Human Biology for Nursing 124		
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 requirements per week		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%		<i>Continuous Assessment (CA):</i> sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of Programme		BSc Occupational Therapy (8111)		
Module Name:		BSc Physiotherapy (8211)		
Module Code		Introduction to the Human Body I		
Module Code		HUB127		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		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	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			<ul style="list-style-type: none"> ● Individual or Group ● Online/Sit Down/Take Home
Assessments	12			Sit Down
Self- Study	30			<ul style="list-style-type: none"> ● 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 and Final Assessment (CFA)			

Name of programme		Bachelor of Nursing (8311)		
Module Name:		Human Biology for Nursing II		
Module Code		HUB128		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> Learning guides and course readers Online: various tools available
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Online & Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Human Biology for Nursing III - BNursing (8311)		
Module Name		Human Biology		
Module Code		HUB218		
Proposed Semester(s) to be offered		First 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	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			<ul style="list-style-type: none"> • Individual • Online
Assessments	9			Sit down and online
Self-study	60			
Other: Library, online	40			<ul style="list-style-type: none"> • Module organiser • Online video clips and learning material
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		CA: Sit down & Online FA: Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Human Biology for Nursing IV		
Module Name:		Human Biology		
Module Code		HUB228		
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	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			<ul style="list-style-type: none"> ● Individual ● Online
Assessments	9			Sit down and Online
Self- study	60			
Other: Please specify: Library, Online	40			<ul style="list-style-type: none"> ● 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%		Continuous Assessment (CA): Sit down & Online Final Assessment (FA): 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:		Introduction to the Human Body I		
Module Code		MBS111		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		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	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			<ul style="list-style-type: none"> ● Individual/group ● Online/Sit down/take home
Assessments	0			Sit down
Self- study	27			<ul style="list-style-type: none"> ● Learning guides and course readers ● online – asynchronous mode
Other	29			
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		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)		
Module Name:		Introduction to the Human Body 121		
Module Code		MBS121		
Proposed Semester(s) to be offered		Second semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
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
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 Time	150			
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 Final Assessment (CFA)			

Name of programme		Bachelor of Nursing (8312)		
Module Name:		Microbiology for Nurses 123		
Module Code		MBS123		
Proposed Semester(s) to be offered		Second semester		
NQF Level Credits		10		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> ● Group ● Online
Assessments	10			<ul style="list-style-type: none"> ● Online & Sit down
Self- study	24			<ul style="list-style-type: none"> ● 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): Online & Sit down Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Bachelor of Nursing (8313)		
Module Name:		Microbiology for Nurses (ECP) 130		
Module Code		MBS130		
Proposed Semester(s) to be offered		Year		
NQF Level Credits		10		
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	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			<ul style="list-style-type: none"> ● Group ● Online
Assessments	20			<ul style="list-style-type: none"> ● Online & Sit down
Self- study	38			<ul style="list-style-type: none"> ● 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 & Sit down Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc (Occupational therapy)		
Module Name:		Medical Bio-Sciences		
Module Code		MBS214		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> ● Individual/group ● Online/Sit down/take home
Assessments	12			Online/Sit down/take home
Self- study	42			<ul style="list-style-type: none"> ● Learning guides and course readers ● online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Online/Sit down/take home
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc (Physiotherapy)		
Module Name:		Medical Bio-Sciences		
Module Code		MBS217		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> ● Individual/group ● Online/Sit down/take home
Assessments	12			Online/Sit down/take home
Self- study	42			<ul style="list-style-type: none"> ● Learning guides and course readers ● online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Online/Sit down/take home
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Medical Biosciences 218		
Module Name:		Structure and function of the Human Body V		
Module Code		MBS 218		
Proposed Semester(s) to be offered		Second semester		
NQF Level Credits		6 (20)		
Year level		2		
Breakdown of Learning time	<i>Hours Total = 190</i>	Timetable requirements per week		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 Final Assessment		In-person / sit-down assessments	
Assessment Module type	Continuous and Final Assessment		Continuous (50%) and Final Assessment (50%)	

Name of programme		BSc. Medical Bioscience		
Module Name:		Introduction to the Human Body 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 requirements per week		Teaching modes that does require a timetable
		13	Number of periods	
Contact with lecturer/tutor	40	Lectures p.w.	3	P1 – Online 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			<ul style="list-style-type: none"> ● Individual ● Take home (Online)
Assessments	3			Take home (online)
Self- study	50			<ul style="list-style-type: none"> ● Learning guides and course readers
Total Learning Time	165			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Online/take home <i>Final Assessment (FA):</i> Online/take home	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Bachelor of Science in Medical Bioscience		
Module Name:		Medical Bioscience 232		
Module Code		MBS 232		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		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			<ul style="list-style-type: none"> ● 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%		Continuous Assessment (CA): Sit down Final Assessment (FA): Sit down	
Assessment Module type	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 Science in Medical Bioscience		
Module Name:		Medical Biosciences 331		
Module Code		MBS331		
Proposed Semester(s) to be offered		1st		
NQF Level Credits		30		
Year level		Year 3		
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.	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			<ul style="list-style-type: none"> Individual or group Take home
Assessments	7			Sit down
Self- study	65			<ul style="list-style-type: none"> Learning guides and Lecture notes/video Online – asynchronous mode
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous assessment (CA):</i> Sit down/take home/online <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		MBS 332		
Module Name:		Impact of Lifestyle on Cardiopulmonary Systems & Metabolism		
Module Code		325332		
Proposed Semester(s) to be offered		Second semester		
NQF Level Credits		30		
Year level		3rd year		
Breakdown of Learning time	Hours	Timetable requirements per week		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 Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Based on 7 week term

Name of programme		BSc Medical Biosciences		
Module Name:		Medical Microbiology 251		
Module Code		MIC 251		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		20		
Year level		Year 2		
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	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			<ul style="list-style-type: none"> ● Individual/group ● Online/take home
Assessments	9			
Self- study	50			<ul style="list-style-type: none"> ● Learning guides and course readers ● online –asynchronous mode
TOTAL Learning Time	200			
Method of Student Assessment	Continuous assessment: 50% (Theory and practical tests, assignments) Final assessment: 50% (2 X 1½ hour papers)			
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Medical Biosciences		
Module Name:		HOST-PARASITE INTERACTIONS		
Module Code		MIC252		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		20		
Year level		2nd Year		
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	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%		CA: Sit down tests/Supervised online Tests/Hands-on Proficiency assessments FA: Sit down Exam/Supervised online Exam	
Assessment Module type	Continuous and Final Assessment (CFA)			

*based on a 14 week semester

Name of programme		BSc Medical Biosciences		
Module Name:		Infections Caused by Prokaryotic and Obligatory Intracellular Pathogens		
Module Code		MIC353		
Proposed Semester(s) to be offered		1st 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	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			<ul style="list-style-type: none"> ● Individual/group ● Online/take home
Assessments	12			<ul style="list-style-type: none"> ● Sit down
Self- study	100			<ul style="list-style-type: none"> ● Learning guides and course readers ● online – asynchronous mode
TOTAL Learning Time	300			
Method of Student Assessment	Continuous assessment: 50% Final assessment: 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

FACULTY OF NATURAL SCIENCES

Based on 7-week term

Name of programme		BSc Medical Biosciences		
Module Name:		Infections Caused by Prokaryotic Parasites		
Module Code		MIC 354		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		30		
Year level		Year 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	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			<ul style="list-style-type: none"> ● 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 Time	300			
Method of Student Assessment	Continuous assessment: 50% (Theory and practical tests, assignments) Final assessment: 50% (2 X 1½ hour papers)			
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Bachelor in Dental Surgery III (BDS III)		
Module Name:		Microbiology for Dentistry 355		
Module Code		MIC 355		
Proposed Semester(s) to be offered		Year Module		
NQF Level Credits		20		
Year level		Year 3		
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	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 Student Assessment	Continuous Evaluation (CEM): 50% Final Examination (FA): 50%		Four sit-down Tests and a Final Exam	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme				
Module Name:		Applied Physiology for Dietetics I		
Module Code		PSE319		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		5		
Year level		Year 3		
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.	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			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	50			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA): Online/Sit down</i> <i>Final Assessment (FA): Online/Sit down</i>
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme				
Module Name:		Applied Physiology for Dietetics II		
Module Code		PSE329		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		5		
Year level		Year 3		
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.	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			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	50			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down <i>Final Assessment (FA):</i> Online/Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

DEPARTMENT: Physics and Astronomy

Programme		BSc (Physiotherapy) 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 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	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			<ul style="list-style-type: none"> Course textbook Scaffolded online learning materials – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		3233, 3277, 3220, 3221		
Module Name:		Physics 111		
Module Code		PHY111		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		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	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			<ul style="list-style-type: none"> Course textbook Scaffolded online learning materials – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

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 time	Hours	Timetable requirements per week		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	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		BDS 5101		
Module Name:		Physics 113		
Module Code		PHY113		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		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	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%		<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		8313 Extended curriculum programme		
Module Name:		Physics 115		
Module Code		PHY115		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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%		<i>Continuous Assessment (CA): Sit down</i> <i>Final Assessment (FA): Sit down</i>	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3214, 3211, 3211, 3331, 3227		
Module Name:		Physics 116		
Module Code		PHY116		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		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	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			Sit down & take home/ online
Assessments	9			Sit down
Self- study	43			<ul style="list-style-type: none"> Course textbook Scaffolded online learning materials – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		Bachelor of Nursing (8313)		
Module Name:		Physics 118		
Module Code		PHY118		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		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	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	0	Practicals p.w	0	
Assignments & tasks	14			
Assessments	6			Sit down
Self- study	74			<ul style="list-style-type: none"> Course textbook Scaffolded online learning materials – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> 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(s) to be offered		Semester 2		
NQF Credit Value		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	42	Lectures p.w.	3	P1 - Face to Face 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			<ul style="list-style-type: none"> Course textbook Scaffolded online learning materials – asynchronous mode
Other	0			<ul style="list-style-type: none">
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		3214, 3211, 3221, 3331, 3227		
Module Name:		Physics 126		
Module Code		PHY126		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		15		
Year level		1		
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	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			<ul style="list-style-type: none"> Course textbook Scaffolded online learning materials – asynchronous mode
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3011, 3019, 3023, 3031, 3120		
Module Name:		Physics 151		
Module Code		PHY151		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		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	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 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		3011, 3019, 3023, 3031, 3120		
Module Name:		Physics 152		
Module Code		PHY152		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		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	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			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 Final Assessment (CFA)			

Programme		3233, 3120, 3220, 3019, 3221, 3023, 3227, 3031		
Module Name:		Physics 212		
Module Code		PHY212		
Proposed Semester(s) to be offered		1st semester		
NQF Level Credits		20		
Year level		2nd year		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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/experimental	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%		<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3233, 3120, 3220, 3019, 3221, 3023, 3227, 3031, 3331		
Module Name:		Physics 217		
Module Code		PHY217		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		20		
Year level		Year 2		
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	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 time	200			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Occupational Therapy) 8111		
Module Name:		Physics 218		
Module Code		PHY218		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		15		
Year level		Year 2		
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	P1 - Face to Face 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			<ul style="list-style-type: none"> Course textbook Scaffolded online learning materials – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%			<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3233, 3120, 3220, 3019, 3221, 3023, 3227, 3031		
Module Name:		Physics 222		
Module Code		PHY222		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		20		
Year level		Year 2		
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	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%		<i>Continuous Assessment (CA):</i> Sit down/online <i>Final Assessment (FA):</i> 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		
Module Code		PHY227		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		20		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor Lectures (42 hours) Tutorials (14 hours)	56 (broken the time between lectures and tuts, to get hours for tuts)	Lectures p.w.	3	P1 - Face to Face P2 – Face to Face P3 – Face to Face
		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			
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)			

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		
Module Code		PHY312		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor Lectures (42 hours) Tutorials (14 hours)	56 (broken the time between lectures and tuts, to get hours for tuts)	Lectures p.w.	3	P1 - Face to Face P2 – Face to Face P3 – Face to Face
		Tutorial p.w	1	P1 – Face to face
Practicals	56	Practicals p.w	4	P1 to P4 – Face to face
Assignments & tasks	60			<ul style="list-style-type: none"> • Individual/group • 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 Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Physical Science), BSc (Computer Science)		
Module Name:		Physics 322: Solid state physics & Statistical physics		
Module Code		PHY322		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor Lectures (42 hours) Tutorials (14 hours)	56 (broken the time between lectures and tuts, to get hours for tuts)	Lectures p.w.	3	P1 - Face to Face P2 – Face to Face P3 – Face to Face
		Tutorial p.w	1	P1 – Face to face
Practicals	56	Practicals p.w	4	P1 to P4 – Face to face
Assignments & tasks	30			<ul style="list-style-type: none"> • Individual/group • 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 Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3233, 3120, 3221, 3023		
Module Name:		Physics 317		
Module Code		PHY317		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		30		
Year level		Year 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	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%		<i>Continuous Assessment (CA):</i> Sit down/online/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		BSc (Physical Science), BSc (Computer Science)		
Module Name:		Physics 327		
Module Code		PHY327		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		30		
Year level		Year 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	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 time	300			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Sit down/online/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

DEPARTMENT: School of Pharmacy (B.Pharm)

1. Pharmacology and Clinical Pharmacy

Name of programme		Bachelor of Pharmacy - B.Pharm (3305)		
Module Name:		Pharmacology and Clinical Pharmacy 123		
Module Code		PHC123		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		1		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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 p.w	0	
Assignments & tasks	16			Group work/presentation
Assessments	6			Face-to-face/Online
Self- study	72			Learning guides and course readers
TOTAL Learning Time	150			
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 Final Assessment (CFA)		CFA	

Name of programme		Bachelor of Pharmacy - B.Pharm (3305)		
Module Name:		Pharmacology and Clinical Pharmacy 213		
Module Code		PHC213		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15		
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	42	Lectures p.w.	2	1 x Face to Face 1 x Online
Tutorials	0	Tutorial p.w	0	0
Practicals	20	Practicals p.w	1	P1 – P3 Face to Face
Assignments & tasks	10			<ul style="list-style-type: none"> Individual or group Online/ take home / sit down
Assessments	6			<ul style="list-style-type: none"> Online/ take home / sit down
Self- study	72			<ul style="list-style-type: none"> Textbooks (online) Treatment guidelines Lecture content – online, asynchronous Additional videos, reading etc
	150			
Method of Student Assessment		Continuous Assessment (CA): 50% Final Assessment (FA): 50%		
Assessment Module type		Continuous Assessment (CA): online quizzes, take home assignments and cases; sit-down semester tests. Final Assessment (FA): sit down		
		CFA		

Name of programme		Bachelor of Pharmacy - B.Pharm (3305)		
Module Name:		Pharmacology and Clinical Pharmacy 223		
Module Code		PHC223		
Proposed Semester(s) to be offered		2		
NQF Level Credits		15		
Year level		Second		
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 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 time	150			
Method of Student Assessment	Continuous Assessment (CA): 50%		Continuous Assessment (CA):	
	Final Assessment (FA): 50%		<ul style="list-style-type: none">• Online Quizzes• Sit down Tests• Take home Assignments	
Assessment Module type			Final Assessment (FA):	
	Continuous and Final Assessment (CFA)		<ul style="list-style-type: none">• Sit down	
		CFA		

Name of programme		Bachelor of Pharmacy - B.Pharm (3305)		
Module Name:		Pharmacology and Clinical Pharmacy 313		
Module Code		PHC313		
Proposed Semester(s) to be offered		Semester 1		
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	P2 – Face to face P1 – Online
Tutorials	0	Tutorial p.w		
Practicals	18	Practicals p.w		P1 – P4 Face to Face
Assignments & tasks	16			<ul style="list-style-type: none"> Individual/group Online/Sit-down/take home
Assessments	6			<ul style="list-style-type: none"> Online/Sit-down/Take home
Self- study	68			<ul style="list-style-type: none"> Learning guides, textbooks and treatment guidelines
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Online Quizzes /Sit-down Tests /Take-home Cases <i>Final Assessment (FA):</i> Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)		CFA	

Module Name:		Pharmacology and Clinical Pharmacy 323		
Module Code		PHC323		
Proposed Semester(s) to be offered		2		
NQF Level Credits		15		
Year level		Third		
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	Face to face
Tutorials	0	Tutorial p.w	0	0
Practicals	18	Practicals p.w	4	Face to face
Assignments & tasks	16			
Assessments	6			Sit down
Self- study	68			Online
Total	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Sit down and Online	
Assessment Module type	Continuous and Final Assessment (CFA)		CFA	

Module Name:		Pharmacology and Clinical Pharmacy 403		
Module Code		PHC403		
Proposed Semester(s) to be offered		First and Second		
NQF Level Credits		8		
Year level		4th		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	56	Lectures p.w.	1	P1 - Face to Face
Tutorials	10	Tutorial p.w	1	P1 – Face to face
Practicals	0	Practicals p.w	0	
Assignments & tasks	40			Individual/group Online/Sit down/take home
Assessments	5			Online/Sit down/take home
Self- study	39			Online –asynchronous mode
	150			
Method of Student Assessment	Continuous Assessment (CA): 80% Final Assessment (FA): 20%		Continuous Assessment (CA): Online/Sit down/take home Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)		CFA	

Name of programme		Bachelor of Pharmacy - B.Pharm (3305)		
Module Name:		Pharmacology and Clinical Pharmacy 405		
Module Code		PHC405		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		30		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	144	Lectures p.w.	0	
Tutorials		Tutorial p.w	1	P1
Practicals	0	Practicals p.w		0
Assignments & tasks	64			Individual / group Take home cases and assignments
Assessments	28			Sit down
Self- study	64			Textbooks, treatment guidelines, published medical literature available via UWC library electronic databases
	300			
Method of Student Assessment	Continuous Assessment (CA):100% Final Assessment (FA): 0%		Continuous Assessment (CA): take home cases and assignments; sit down semester tests.	
Assessment Module type	Continuous assessment (CA)		CA	

Name of programme		Bachelor of Pharmacy - B.Pharm (3305)		
Module Name:		Pharmacology and Clinical Pharmacy 423		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	84	Lectures p.w.	3	P2 – Face to Face P1 – Online
Tutorials	0	Tutorial p.w		
Practicals	0	Practicals p.w	4	P1-P4 – Face to Face
Assignments & tasks	0			
Assessments	40			• Online/Sit-down/Take home
Self- study	26			• Learning guides, reference material
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		<i>Continuous Assessment (CA):</i> Online Quizzes /Sit-down Tests /Take-home Capstone	
Assessment Module type	Continuous Assessment (CA)			

Module Name:		Rational Medicine Use		
Module Code		PHC425		
Proposed Semester(s) to be offered		1 and 2		
NQF Level Credits		15		
Year level		Fourth		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does 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 Student Assessment	Continuous assessment (CA): 100% Final assessment (FA): 0%		Online and face-to-face oral	
Assessment Module type	Continuous assessment (CA)		CA	

Servicing Dentistry Faculty
Bachelor of Oral Health

Name of programme		Bachelor of Oral Health		
Module Name:		Pharmacology for Oral Health 121		
Module Code		POH121		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		5		
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	26	Lectures p.w.	2	P1 – Online P1 – Face to Face
Tutorials		Tutorial p.w		
Practicals		Practicals p.w		
Assignments & tasks	4			Individual Online/Sit-down
Assessments	4			Online/Sit-down/
Self- study	16			Learning guides, and textbooks
TOTAL Learning Time	50			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Online Quizzes /Sit-down Tests <i>Final Assessment (FA):</i> Sit-down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BACHELOR OF DENTAL SURGERY (BDS) - 5101		
Module Name:		Dental Pharmacology		
Module Code		PCL305		
Proposed Semester(s) to be offered		1 and 2		
NQF Level Credits		20		
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	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 Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)		CFA	

Name of programme		BACHELOR OF NURSING (8312)		
Module Name:		Pharmacology for nurses		
Module Code		PCL210		
Proposed Semester(s) to be offered		1 and 2		
NQF Level Credits		20		
Year level		Second		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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 Assessment			Sit down and Online	
Assessment Module type			CFA	

Name of programme		BSc (Dietetics)		
Module Name:		Pharmacology for Dietetics		
Module Code		PCL315		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		10		
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	52	Lectures p.w.	2	P2 Face to Face
Tutorials		Tutorial p.w	0	
Practicals		Practicals p.w	0	
Assignments & tasks	18			<ul style="list-style-type: none"> Individual/group Online
Assessments: Tests and Examinations	5			Sit down
Self- study	20			<ul style="list-style-type: none"> Learning guides and course readers
Other	5			
TOTAL Learning Time	100			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online / take home assignments Sit down tests <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Bachelor of Pharmacy (BPharm)		
Module Name:		Pharmacy 116 (Introduction to Pharmacy)		
Module Code		PHA116		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		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 Assessment	Continuous Assessment (CA): 100%		<i>Continuous Assessment (CA):</i> Sit-down/ Take-home/ Online	
Assessment Module type	Continuous Assessment (CA)			

Name of programme		Bachelor of Pharmacy (BPharm)		
Module Name:		Pharmacy Practice 214 (Philosophy of Pharmacy Practice)		
Module Code		PPR214		
Proposed Semester(s) to be offered		1		
NQF Level Credits		10		
Year level		Second		
Breakdown of Learning time	Hours	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 & tasks	16			Face-to-face as part of practicals
Assessments	4			Sit down
Self- study	32			Online, asynchronous
Method of Student Assessment	CA – 50% Final Exam – 50%		Sit down	
Assessment Module type			CFA	

Name of programme		Bachelor of Pharmacy (BPharm)		
Module Name:		Pharmacy Practice 224 (Medicine Supply: Management & Regulation)		
Module Code		PPR224		
Proposed Semester(s) to be offered		Second		
NQF Level Credits		6		
Year level		Second		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	48	Lectures p.w.	5	P1-3 face to face 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 p.w	0	
Assignments & tasks	12			Online, asynchronous
Assessments	4			Sit-down
Self- study	32			Online, asynchronous
Other	40			At experiential sites
150				
Method of Student Assessment	CA 50% Final exam 50%		Sit down Sit down	
Assessment Module type	CFA			

Name of programme		Bachelor of Pharmacy (BPharm)		
Module Name:		Pharmacy Practice 314 (Professional Communication in Pharmacy)		
Module Code		PPR314		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15		
Year level		Year 3		
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	28			Online, asynchronous
Assessments	6			6 hours per semester
Self- study	40			P1: Online
Other	20			
Total learning time 150				
Method of Student Assessment	Continuous Assessment (CA): 100%		<i>Continuous Assessment (CA):</i> Sit-down/ Take-home/ Online	
Assessment Module type	Continuous Assessment (CA)			

Name of programme		Bachelor of Pharmacy (BPharm)		
Module Name:		Pharmacy Practice 324 (Pharmacy Management)		
Module Code		PPR324		
Proposed Semester(s) to be offered		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.	8	P1 to P4- Face to face P1 to P3- online
Tutorials	0	Tutorial p.w		
Practicals	0	Practicals p.w	1	P1- Face to face
Assignments & tasks	30			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	4			<ul style="list-style-type: none"> Sit down
Self- study	52			<ul style="list-style-type: none"> Online - asynchronous
Other	22			
Method of Student Assessment	Continuous Assessment (CA):100%		<ul style="list-style-type: none"> Sit down 	
Assessment Module type	Continuous Assessment (CA			

Name of programme		Bachelor of Pharmacy (BPharm)		
Module Name:		Pharmacy Practice 414 (Pharmacy Professional Practice)		
Module Code		PPR414		
Proposed Semester(s) to be offered		Both semesters		
NQF Level Credits		18		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	56	Lectures p.w.	4	P1 to P2 face to face 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 Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			
Assessment Module type	Continuous and Final Assessment (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 offered		Year		
NQF Level Credits		8		
Year level		Fourth		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	56	Lectures p.w.	4	P1-2 – Face to Face 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 Assessment	Continuous assessment (100%)		Online, asynchronous	
Assessment Module type	CA			

Name of programme		Pharmacy		
Module Name:		Pharmaceutical Chemistry		
Module Code		PCH232		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		15		
Year level		Year 2		
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	P1 Face to Face P2 Face to Face P3 Online
Tutorials		Tutorial p.w		
Practicals	20	Practicals p.w	3	P6-8 Face to Face
Assignments & tasks	32			Online Individual assignments
Assessments	6			Sit Down
Self- study	50			Online material; Text Book
Method of Student Assessment	Continuous Assessment 50% Final Assessment 50%		Online, Take home, Sit down Sit down	
Assessment Module type	Final assessment		Sit down	

Name of programme		BPharm		
Module Name:		Pharmaceutical Chemistry 233		
Module Code		PCH233		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		15		
Year level		Year 2		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	66	Lectures p.w.	3	P1 - Face to Face P2 – Online P3 – F2F
Tutorials	0	Tutorial p.w	1	P1 – Face to face
Practicals	32	Practicals p.w	3	P6 to P8 – Face to face
Assignments & tasks	16			<ul style="list-style-type: none"> • Individual (inorg) • Online quizzes • Individual prac reports
Assessments	5			Online/Sit down/take home
Self- study	31			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		Pharmacy		
Module Name:		Pharmaceutical Chemistry		
Module Code		PCH312		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15		
Year level		Year 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	P1 Face to Face P2 Face to Face P3 Online
Tutorials		Tutorial p.w	1	
Practicals	32	Practicals p.w	3	P6 to P8 Face to Face
Assignments & tasks	20			Online Individual assignments
Assessments	5			Sit Down
Self- study	51			Online material; Text Book
Method of Student Assessment	Continuous Assessment 50% Final Assessment 50%		Online, Take home, Sit down Sit down	
Assessment Module type	Final assessment		Sit down	

Name of programme		Pharmacy		
Module Name:		Pharmaceutical Chemistry		
Module Code		PCH322		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		15		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	56	Lectures p.w.	3	P1 Face to Face P2 Face to Face P3 Online
Tutorials	0	Tutorial p.w		
Practicals	0	Practicals p.w	1	P 1 Face to Face
Assignments & tasks	40			Online Individual assignments
Assessments	5			Sit Down
Self- study	49			Online material; Text Book
Method of Student Assessment	Continuous Assessment 50% Final Assessment 50%		Online, Take home, Sit down Sit down	
Assessment Module type	Final assessment		Sit down	

Name of programme		Pharmacy		
Module Name:		Advanced Drug Design		
Module Code		PCH402		
Proposed Semester(s) to be offered		Full year		
NQF Level Credits		15		
Year level		Year 4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does 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 & tasks	40			Online Individual assignments
Assessments	5			Sit Down and Oral examination
Self- study	49			Peer reviewed articles Online material
Method of Student Assessment	Continuous Assessment 50% Final Assessment 50%		Online, Take home Oral examination and Sit Down	
Assessment Module type	Final assessment		Oral examination and Sit Down	

Name of programme		BPharm		
Module Name:		Physicochemical Properties in Pharmaceutics		
Module Code		PCE231		
Proposed Semester(s) to be offered		First semester		
NQF Level Credits		15		
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	56	Lectures p.w.	3	P1-3 - Face to Face
Tutorials		Tutorial p.w.	1	1 - Face to Face
Practicals	42	Practicals p.w.	1	P6-8 - Face to Face
Assignments & tasks	16			Sit down/take home
Assessments	7			Sit down
Self- study	29			<ul style="list-style-type: none"> • Learning guides and course readers • online – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down/take home (practical reports only) Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Module Name:		Pharmaceutical Formulation		
Module Code		PCE232		
Proposed Semester(s) to be offered		Second semester		
NQF Level Credits		15		
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	56	Lectures p.w.	3	2 F2F 1 Online
		Tutorial p.w	1	F2F
Practicals	42	Practicals p.w	1	F2F
Assignments & tasks	16			Sit down/take home
Assessments	7			Sit down/ online
Self- study	29			Online and asynchronous
Method of Student Assessment	CA (100%)		CA – sit down	
Assessment Module type	CA			

Name of programme		BPharm		
Module Name:		Pharmaceutical Technology		
Module Code		PCE331		
Proposed Semester(s) to be offered		First 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	P1-2– Face to face P3 - 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			asynchronous
Total learning time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down/take home (practical reports only) <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BPharm		
Module Name:		Applied Pharmaceutical Microbiology		
Module Code		PCE333		
Proposed Semester(s) to be offered		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 Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down/take home (practical reports only) <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BPharm		
Module Name:		Drug Delivery Systems		
Module Code		Pharmacy 431		
Proposed Semester(s) to be offered		First 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	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			<ul style="list-style-type: none"> Learning guides and course readers online – asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		B Pharm		
Module Name:		PCE401		
Module Code		8		
Proposed Semester(s) to be offered		Both semesters		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	56	Lectures p.w.	2	1 Face to Face 1 Online
Tutorials		Tutorial p.w		
Practicals		Practicals p.w	2	1 Face to Face and Online
Assignments & tasks	48			Take home
Assessments	4			Online and Sit down
Self- study	42			Asynchronous
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down/take home Final Assessment (FA): Sit down	
Assessment Module type				

Name of programme		BPharm		
Module Name:		Biopharmaceutics and Pharmaceutical Biotechnology		
Module Code		PHA426		
Proposed Semester(s) to be offered		Bot semesters		
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	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			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down/online/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BPharm		
Module Name:		Research Project		
Module Code		PHA408		
Proposed Semester(s) to be offered		Both Semesters		
NQF Level Credits		15		
Year level		4		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of periods	
Contact with lecturer/tutor	20	Lectures p.w.	1	1 – Face to face
Tutorials	0	Tutorial p.w	-	-
Practicals	0	Practicals p.w	-	-
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 Assessment	Continuous Assessment (CA): 100% Final Assessment (FA): 0%		<i>Continuous Assessment (CA):</i> Online/sit-down	
Assessment Module type	Continuous Assessment (CA): 100%			

Name of programme		BSc (Applied Geology) (3011); BSc (Computer Science) (3023); BSc (Environmental and Water Science) (3027); BSc (Medical Bioscience) (3035)		
Module Name:		Statistics 151		
Module Code		STA151		
Proposed Semester(s) to be offered		Whole year		
NQF Level Credits		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%		Continuous Assessment (CA)= Online/Sit down/take home Final Assessment (FA)= Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc (Mathematics and Statistical Sciences) (3227, 3031)		
Module Name:		Statistics 121		
Module Code		STA121		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		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	42	Lectures p.w.	3	P1 - Face to Face 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		
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 Time	150			
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 Final Assessment (CFA)			

Name of programme		BAdmin (1018), BCom (1008), BCom (1101), BCom Extended (1751)		
Module Name:		Business Statistics 132		
Module Code		BUS132		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		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	56	Lectures p.w.	3	<ul style="list-style-type: none"> • P1: face-to-face • P2: face-to-face • P3: online
Tutorials	10	Tutorial p.w	1	<ul style="list-style-type: none"> • Face-to-face • Online consultation
Practicals		Practicals p.w		
Assignments & tasks	20			<ul style="list-style-type: none"> • Individual/group • Online/Sit down/Take home
Assessments				
Self- study	64			<ul style="list-style-type: none"> • Learning guides and course readers • Online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<i>Continuous Assessment (CA):</i> Online/Sit down/Take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (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:		Statistics 111		
Module Code		STA111		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		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	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	0	
Practicals	60	Practicals p.w	3	P1 - Face to Face P2 - Face to Face P3 - Face to Face
Assignments & tasks	0			<ul style="list-style-type: none"> • Individual/group • Take home
Assessments	6			Online/Sit down
Self- study	42			<ul style="list-style-type: none"> • Learning guides and course readers • Asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<ul style="list-style-type: none"> • <i>Continuous Assessment (CA)</i>: Online/Sit down/take home • <i>Final Assessment (FA)</i>: Sit down 	
Assessment Module type	Continuous and Final Assessment (CFA)			

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 Learning time	Hours	Timetable requirements per week		Teaching modes that does 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			<ul style="list-style-type: none"> • Individual/group • Take home
Assessments	0			Online/Sit down
Self- study	64			<ul style="list-style-type: none"> • Learning guides and course readers • Asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 60% Final Assessment (FA): 40%		<ul style="list-style-type: none"> • <i>Continuous Assessment (CA):</i> Online/Sit down/take home • <i>Final Assessment (FA):</i> Sit down 	
Assessment Module type	Continuous and Final Assessment (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 Statistics 125		
Module Code		STA125		
Proposed Semester(s) to be offered		Semester 2		
NQF Credit Value		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	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			<ul style="list-style-type: none"> Individual/group Online/Sit down/take home
Assessments	6			Online/Sit down/take home
Self- study	42			<ul style="list-style-type: none"> Learning guides and course readers online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Programme		3221,3023, 3227,3031		
Module Name:		Distribution Theory		
Module Code		STA211		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		20		
Year level		6		
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.	4	P1 - Face to face P2 - 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
Assignments & tasks	40			<ul style="list-style-type: none"> • Individual assignments • Sit down (Online/take home – alternatives if needed)
Assessments	30			Sit down (online/take home – alternatives if needed)
Self- study	65			<ul style="list-style-type: none"> • Prescribed textbook • online – asynchronous mode
Method of Student Assessment	Continuous Assessment (CA):50% Final Assessment (FA): 50%		Continuous Assessment (CA): Sit down (Online/take home) Final Assessment (FA): Sit down	
Assessment Module type	Continuous and Final Assessment (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) to be offered		Second Semester		
NQF Credit Value		20		
Year level		6		
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	0	Tutorial p.w	0	
Practicals	30	Practicals p.w	2	P1 – Face to face P2 – Face to face
Assignments & tasks	40			<ul style="list-style-type: none"> Individual Online
Assessments	5			Online
Self- study	65			<ul style="list-style-type: none"> Learning guides and course readers Online
TOTAL Learning Time	200			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Mathematical and Statistical Sciences		
Module Name:		Multivariate Distribution Theory		
Module Code		STA331		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		30		
Year level		Year 3		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number 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 home
Assessments	10			Sit down and take home
Self- study	60			Text Book/Lecture Notes
Total Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Mathematical and Statistical Sciences		
Module Name:		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 Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number 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	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 Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc (Mathematics and Statistical Sciences) (3227,3031)		
Module Name:		Statistical Demography		
Module Code		STA333		
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	130	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	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 Time	300			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of Programme		BSc Hons (Population Studies) (3738); BSc Hons (Medical Bioscience) (3721)		
Module Name:		Applied Statistics 501		
Module Code		STA501		
Proposed Semester(s) to be offered		Semester 1		
NQF Credit Value		15		
Year level		Year 4		
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	P1 - Face to Face
Tutorials	0	Tutorial p.w		
Practicals	30	Practicals p.w	1	P1 – Face to face
Assignments & tasks	30			<ul style="list-style-type: none"> • Individual/group • Online/Sit down/take home
Assessments	9			Online/Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers • online –asynchronous mode
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%			<i>Continuous Assessment (CA):</i> Online/Sit down/take home <i>Final Assessment (FA):</i> Sit down
Assessment Module type	Continuous and Final Assessment (CFA)			

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

Name of programme		BSc Hons (Statistical Science) 3739		
Module Name:		Multivariate Analysis 701		
Module Code		STA701		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		15		
Year level		1		
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.	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			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		<i>Final Assessment (FA): Sit down</i>	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Computational Finance) (3739)		
Module Name:		Research Methodology		
Module Code		STA702 (Not offered in 2023)		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
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.	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% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (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		First Semester		
NQF Level Credits		15		
Year level		7		
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.	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	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA): Sit down</i> <i>Final Assessment (FA): Sit down</i>	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Hons (Statistical Science) (3737)		
Module Name:		Experimental Design I		
Module Code		STA710 (Not offered in 2023)		
Proposed Semester(s) to be offered		First Term		
NQF Level Credits		15		
Year level		7		
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.	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% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Hons (Population Studies) (3738); BSc Hons (Statistical Science) (3737)		
Module Name:		Biostatistics		
Module Code		STA733 (Not offered in 2023)		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
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.	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% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (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 Learning time	Hours	Timetable requirements per week		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			
Assessments	5			
Self- study	60			
Other	4			
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Hons (Statistical Science) (3737)		
Module Name:		Statistical Genetics in Human Traits		
Module Code		STA736 (Not offered in 2023)		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		7		
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.	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% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Hons (Statistical Science) (3737)		
Module Name:		Statistical Modelling 737		
Module Code		STA737		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of 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	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 Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		<i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons (Computer Science) (3735)		
Module Name:		Data Mining I		
Module Code		STA760		
Proposed Semester(s) to be offered		Semester 2		
NQF Level Credits		15		
Year level		7		
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.	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			Take-home
Assessments	5			Sit down
Self- study	60			Coursebooks and additional material as provided
Other	4			
TOTAL Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		Final Assessment (FA): Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Statistical Science) (3737)		
Module Name:		Applied Analytics		
Module Code		STA738		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of 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	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		Final Assessment (FA): Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Statistical Science) (3737)		
Module Name:		Introductory Multivariate Analysis		
Module Code		STA739		
Proposed Semester(s) to be offered		Semester 1		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			Number of 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	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		Final Assessment (FA): Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons (Computational Finance) (3739)		
Module Name:		Research Project		
Module Code		STA761		
Proposed Semester(s) to be offered		Both semesters		
NQF Level Credits		30		
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	30	Lectures p.w.	0	Face-to-face
Tutorials	0	Tutorial p.w	0	
Practicals	0	Practicals p.w	0	
Assignments & tasks	120			<ul style="list-style-type: none"> • Group/Individual • Online
Assessments	0			Online
Self- study	150			<ul style="list-style-type: none"> • Learning guides • Online
TOTAL Learning Time	300			
Method of Student Assessment	Final Assessment (FA): 100%		Final Report	
Assessment Module type	Final Assessment (FA)			

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		
NQF Level Credits		15		
Year level		7		
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
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			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA):</i> Sit down <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons (Computational Finance) (3739)		
Module Name:		Simulation (Not offered in 2023)		
Module Code		COF710		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
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
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	Continuous Assessment (CA): 50% Final Assessment (FA): 50%		<i>Continuous Assessment (CA): Sit down</i> <i>Final Assessment (FA): Sit down</i>	
Assessment Module type	Continuous and Final Assessment (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		Second Semester		
NQF Level Credits		15		
Year level		7		
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
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%		<i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Statistical Science) (3737); BSc Hons (Computational Finance) (3739)		
Module Name:		Probability and Stochastic Processes		
Module Code		COF712		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
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.	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			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA): 100%		<i>Final Assessment (FA): Sit down</i>	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Population 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 Learning time	Hours	Timetable requirements per week		Teaching modes that does 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 Student Assessment	Assignments and Tests: 50% Final examination: 50%		Assignments and Tests online or sit down: 50% Final examination sit down: 50%	
Assessment Module type	Continuous and Final Assessment (CFA)		Continuous and Final Assessment (CFA)	

Name of programme		BSc Hons (Population 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 Learning time	Hours	Timetable requirements per week		Teaching modes that does 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 Student Assessment	Assignments and Tests: 50% Final examination: 50%		Assignments and Tests online or sit down: 50% Final examination sit down: 50%	
Assessment Module type	Continuous and Final Assessment (CFA)		Continuous and Final Assessment (CFA)	

Name of programme		BSc Hons (Population Studies) (3738)		
Module Name:		Social Demography		
Module Code		POP709		
Proposed Semester(s) to be offered		Second Semester		
NQF Level Credits		15		
Year level		7		
Breakdown of Learning time	Hou rs	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
Tutorials	0	Tutorial p.w	0	
Practicals	30	Practicals p.w	0	
Assignments & tasks	30			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Population Studies) (3738)		
Module Name:		Mathematical Demography and Population Modeling		
Module Code		POP710 (Not offered in 2023)		
Proposed Semester(s) to be offered		First Semester		
NQF Level Credits		15		
Year level		7		
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
Tutorials	0	Tutorial p.w	0	
Practicals	30	Practicals p.w	0	
Assignments & tasks	30			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		BSc Hons (Population Studies) (3738); BSc Hons (Statistical Science) (3737)		
Module Name:		Demographic Analysis		
Module Code		POP707		
Proposed Semester(s) to be offered		Both semesters		
NQF Level Credits		15		
Year level		7		
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.	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA):50%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		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 Learning time	Hours	Timetable requirements per week		Teaching modes that 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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	0			
Self- study	150			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			<ul style="list-style-type: none"> • Presentations
Total Learning Time	300			
Method of Student Assessment	Continuous Assessment (CA): 100% Final Assessment (FA):0%		<i>Continuous Assessment (CA):</i> Sit down/take home project report	
Assessment Module type	Continuous Assessment (CA)			

Name of programme		BSc 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 per week		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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA):50%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		BSc Hons (Population Studies) (3738); BSc Hons (Statistical Science) (3737)		
Module Name:		Population Projections		
Module Code		STA790		
Proposed Semester(s) to be offered		Year		
NQF Level Credits		15		
Year level		7		
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.	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			
Self- study	64			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			<ul style="list-style-type: none"> • Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 50% Final Assessment (FA):50%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Continuous and Final Assessment (CFA)			

Name of programme		MSc (Statistical Science) (3838) MSc (Computational Finance) (3093)		
Module Name:		Financial Risk Management		
Module Code		COF827		
Proposed Semester(s) to be offered		First 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	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	3			<ul style="list-style-type: none"> • Sit down/take home
Self- study	47			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Data Mining II		
Module Code		STA800		
Proposed Semester(s) to be offered		Second 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	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Face to Face demonstrations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (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 requirements per week		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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Face to Face presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Take home project report	
Assessment Module type	Final Assessment (FA)			

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 Learning time	Hours	Timetable requirements per week		Teaching modes that does require timetable
			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			<ul style="list-style-type: none"> Learning guides and course readers
Other				
Total Learning Time	900			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Proposal Report, Presentations <i>Final Assessment (FA):</i> Final industry project report	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Business Intelligence		
Module Code		STA841		
Proposed Semester(s) to be offered		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	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	10			<ul style="list-style-type: none"> • Sit down/take home
Self- study	50			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Contemporary Business Analysis		
Module Code		STA842		
Proposed Semester(s) to be offered		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	32	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	25	Practicals p.w	0	
Assignments & tasks	28			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	10			<ul style="list-style-type: none"> • Sit down/take home
Self- study	55			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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 requirements 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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	10			<ul style="list-style-type: none"> • Sit down/take home
Self- study	50			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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 be offered		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	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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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 be offered		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	Face to Face Own masters time table, no need to schedule on UWC time table.
Practicals	0	Practicals p.w	2	Face to Face Own masters time table, no need to schedule on UWC time table.
Assignments & tasks	55			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	3			<ul style="list-style-type: none"> Sit down/take home
Self- study	47			<ul style="list-style-type: none"> Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc(Computational Finance) (3093)		
Module Name:		Financial Computing		
Module Code		COF821 (Not offered in 2023)		
Proposed Semester(s) to be offered		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	2	Part of Assignments Own masters time table, no need to schedule on UWC time table.
Assignments & tasks	55			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	3			<ul style="list-style-type: none"> • Sit down/take home
Self- study	47			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838); MSc(Computational Finance) (3093)		
Module Name:		Theoretical Statistics		
Module Code		COF826 (Not offered in 2023)		
Proposed Semester(s) to be offered		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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	3			<ul style="list-style-type: none"> • Sit down/take home
Self- study	47			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (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 offered		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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	3			<ul style="list-style-type: none"> Sit down/take home
Self- study	47			<ul style="list-style-type: none"> Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838) MSc(Computational Finance) (3093)		
Module Name:		Time Series Analysis		
Module Code		COF829 (Not offered in 2023)		
Proposed Semester(s) to be offered		Second 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	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	4	Part of Assignments Own masters time table, no need to schedule on UWC time table.
Practicals	30	Practicals p.w	2	<ul style="list-style-type: none"> Individual/group Sit down/take home
Assignments & tasks	30			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc(Computational Finance) (3093)		
Module Name:		Statistical Arbitrage		
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 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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	3			<ul style="list-style-type: none"> Sit down/take home
Self- study	47			<ul style="list-style-type: none"> Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Externally moderated project		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Project report	
Assessment Module type	Final Assessment (CFA)			

Name of programme		MSc(Computational Finance) (3093)		
Module Name:		Credit Derivatives		
Module Code		COF835 (Not offered in 2023)		
Proposed Semester(s) to be offered		Second 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	2	Part of Assignments Own masters time table, no need to schedule on UWC time table.
Assignments & tasks	55			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	3			<ul style="list-style-type: none"> Sit down/take home
Self- study	47			<ul style="list-style-type: none"> Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc(Computational Finance) (3093)		
Module Name:		Linear Financial Models		
Module Code		COF836 (Not offered in 2023)		
Proposed Semester(s) to be offered		Second 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	2	Part of Assignments Own masters time table, no need to schedule on UWC time table.
Assignments & tasks	55			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	3			<ul style="list-style-type: none"> • Sit down/take home
Self- study	47			<ul style="list-style-type: none"> • Learning guides and course readers
Other	0			
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Capita Selecta 11		
Module Code		STA822 (removed from 2023)		
Proposed Semester(s) to be offered		Second 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	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Face to Face presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Multivariate Analysis		
Module Code		STA829 (not offered in 2023)		
Proposed Semester(s) to be offered		Second 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	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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Face to Face presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Experimental Design II		
Module Code		STA830 (not offered in 2023)		
Proposed Semester(s) to be offered		First Term		
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	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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Face to Face presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Biostatistics		
Module Code		STA835 (not offered in 2023)		
Proposed Semester(s) to be offered		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	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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Face to Face presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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 Learning time	Hours	Timetable requirements per week		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	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 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 Assessment (FA)			

Name of programme		MSc (Statistical Science) (3838)		
Module Name:		Matrix Methods		
Module Code		STA853 (Not offered in 2023)		
Proposed Semester(s) to be offered		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	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	0	Practicals p.w	0	
Assignments & tasks	80			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	170			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MPhil (Population Studies) (3921)		
Module Name:		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 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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	64			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MPhil (Population Studies) (3921)		
Module Name:		Official Statistics		
Module Code		POP809 (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 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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	60			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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 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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	60			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

Name of programme		MPhil (Population Studies) (3921)		
Module Name:		Population Projections		
Module Code		POP812 (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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	64			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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 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			<ul style="list-style-type: none"> Individual/group Sit down/take home
Assessments	5			<ul style="list-style-type: none"> Sit down/take home
Self- study	64			<ul style="list-style-type: none"> Learning guides and course readers
Other	4			<ul style="list-style-type: none"> Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	64			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			

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 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			<ul style="list-style-type: none">• Individual/group• Sit down/take home
Assessments	5			<ul style="list-style-type: none">• Sit down/take home
Self- study	64			<ul style="list-style-type: none">• Learning guides and course readers
Other	4			<ul style="list-style-type: none">• Presentations
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 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		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			<ul style="list-style-type: none"> • Individual/group • Sit down/take home
Assessments	5			<ul style="list-style-type: none"> • Sit down/take home
Self- study	64			<ul style="list-style-type: none"> • Learning guides and course readers
Other	4			<ul style="list-style-type: none"> • Presentations
Total Learning Time	150			
Method of Student Assessment	Continuous Assessment (CA): 0% Final Assessment (FA):100%		<i>Continuous Assessment (CA):</i> Sit down/take home <i>Final Assessment (FA):</i> Sit down	
Assessment Module type	Final Assessment (FA)			