

**PROGRAMME MODULE STRUCTURE: BACHELOR OF EDUCATION
WITH HONOURS IN MATHEMATICS AND PHYSICS**

YEAR		Programme	Bachelor of Education with Honours in Mathematics and Physics	
	Levels & Trim	Module Code	Module Title	Number of Credits per module
	Level 1			
YEAR 1	Trim. 1	COM 1101	Communication Skills	10 credits
		COL 1101	Computer Literacy	10 credits
		HUM 1101	Humanities	10 credits
		PHY 1101	Classical Mechanics	10 credits
		MAT 1101	Mathematics Analysis I	10 credits
		PHY 1102	Properties of Matter and Thermodynamics	10 credits
			Sub-total 1	60 credits
	Trim. 2	MAT 1202	Statistics and Probability I	10 credits
		IRM 1201	Introduction to Research Methodology	10 credits
		EDP 1201	Educational Psychology	15 credits
		EDG 1201	General pedagogy and teaching methodology	15 credits
		MAT 1201	Linear algebra and Geometry I	10 credits
			Sub-total 2	60 credits
			Total	120 credits
Year 2	Level 2			
	Trim. 3	PHY 2301	Electromagnetism	10 credits
		PHY 2302	Waves and Optics	10 credits
		MAT 2301	Mathematics Analysis II	10 credits
	Trim.1	EDH 2301	Human Developmental Psychology	10 credits
		PHY 2303	Modern Physics	10 credits
		EDC2301	Curriculum studies	10 credits
			Sub-total 3	60 credits
		MAT 2103	Linear algebra and Geometry II	10 credits
		PHY 2104	Special relativity and Electrodynamics	10 credits
		EDF 2101	Foundation of education	15 credits
		EDS 2101	Mathematics and Physics Teaching Methods	15 credits
	Trim.2	PHY 2105	Analytical Mechanics	10 credits
			Sub-total 4	60 credits
			Total	120 credits
	Level 3	ENT 3201	Entrepreneurship Skills	10 credits
Trim.2	EDM 3201	School Management and Administration	10 credits	
	MAT 3201	Statistics and Probability II	10 credits	
	PHY 3201	Mathematical Physics	10 credits	
	EDR 3201	Educational research	10 credits	

		MAT 3202	Mathematics Analysis III	10 credits	
			<i>Sub-total 5</i>	<i>60 credits</i>	
	Level 4				
	Trim. 3	PHY 4301	Solid State Physics	10 credits	
		MAT 4301	Functional Analysis	10 credits	
		EDM 4301	Educational Measurement and evaluation	10 credits	
		PHY 4302	Quantum Mechanics	15 credits	
		MAT 4302	Numerical Analysis and Linear Programming	15 credits	
				<i>Sub-total 6</i>	<i>60 credits</i>
				<i>Total</i>	<i>120 credits</i>
Year 3	Level 5				
	Trim. 1	MAT 5101	Stochastic Processes	10 credits	
		PHY 5101	Statistical Physics	10 credits	
		PHY 5102	Atomic Physics	10 credits	
		MAT 5102	Group Theory	10 credits	
		MAT 5103	Data Analysis	10 credits	
		MAT 5103	Multivariate Analysis	10 credits	
				<i>Sub-total 7</i>	<i>60 credits</i>
		EDE 5201	Educational Technology and Microteaching	10 credits	
	Trim.3	EDT 5301	Teaching and School Practice	30 credits	
		EDD 5301	Dissertation	20 credits	
				<i>Sub-total 9</i>	60 credits
				<i>Total</i>	120 credits
			TOTAL	GENERAL TOTAL	480 CREDITS