Course Outline

Associate of Science
in Electronic Physics

The Program Structure:

Course Code	AS: First Semester Courses	Credit
PHY 101	Communication Skills	2
PHY 102	Descriptive Statistics & Probability	3
PHY 103	Computer Fundamentals & Applications	3
PHY 104	Introduction to Earth Science	2
PHY 105	Linear Algebra and Geometry	5
PHY 106	Calculus	5
	TOTAL CREDITS	20
Course Code	**AS: Second Semester Courses**	**Credit**
PHY 111	Introduction to Physics	2
PHY 112	Introduction to Classical Mechanics	3
PHY 113	Introduction to Wave Motor & Heat	3
PHY 114	Introduction to Electricity & Magnetism	2
PHY 115	Organic Chemistry	5
PHY 116	General Mathematics	5
	TOTAL CREDITS	20
Course Code	**AS: Third Semester Courses**	**Credit**
PHY 201	Circuit Theory	2
PHY 202	Biophysics	3
PHY 203	Physics of Materials	3
PHY 204	Industrial Electronics	2
PHY 205	Electronics & Communication Technology	5
PHY 206	Thermodynamics	5
	TOTAL CREDITS	20
Course Code	**AS: Fourth Semester Courses**	**Credit**
PHY 211	Probability and Statistics	2
PHY 212	Mechanics and Fluids	3
PHY 213	Electromagnetism	3
PHY 214	Numerical and Computational Methods	2
PHY 215	Mathematical Methods	5
PHY 216	Solid State Physics	5
	TOTAL CREDITS	20

Application processing, admissions and registrations for the new Academic Session are currently in progress.

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