

UNIT DISTRIBUTION

a) ELECTRICAL MACHINE DRIVES AND CONTROL

YEAR ONE SEMESTER ONE		
UNIT CODE	UNIT TITLE	HOURS
EET600	Research Methodology	45
EET601	Project Design And Management	45
EET602	Computational Intelligence In Engineering	45
EET603	Power Electronic Converters	45
EET604	Machine Modelling And Analysis	45
SUB-TOTAL		225

YEAR ONE SEMESTER TWO		
UNIT CODE	UNIT TITLE	HOURS
EET609	Power Electronics And Machine Drives	45
EET610	Advanced Control Engineering	45
EET611	Hybrid Electric Vehicles	45
EET612	Programmable Logic Controllers And Their Applications	45
EET613	Industrial Process Automation And Control	45
SUB-TOTAL		225

YEAR TWO SEMESTER ONE & TWO		
UNIT CODE	UNIT TITLE	HOURS
EET630	Research & Thesis Writing	270
GRAND TOTAL		720

b) TELECOMMUNICATION AND INFORMATION ENGINEERING OPTION

YEAR ONE SEMESTER ONE		
UNIT CODE	UNIT TITLE	HOURS
EET600	Research Methodology	45
EET601	Project Design And Management	45
EET602	Computational Intelligence In Engineering	45
EET605	Mathematics For Telecommunication Engineering	45
EET606	Advanced Microwave Engineering	45
SUB-TOTAL		225

YEAR ONE SEMESTER TWO		
UNIT CODE	UNIT TITLE	HOURS
EET614	Numerical Electromagnetic Modelling	45
EET615	Wireless Communication & Networking	45
EET616	Advanced Antenna Systems & Design	45
EET617	Advanced Digital Communication	45
EET618	Optical Communication	45
SUB-TOTAL		225

YEAR TWO SEMESTER ONE & TWO		
UNIT CODE	UNIT TITLE	HOURS
EET630	Research & Thesis Writing	270
GRAND TOTAL		720

c) POWER SYSTEMS OPTION

YEAR ONE SEMESTER ONE		
UNIT CODE	UNIT TITLE	HOURS
EET600	Research Methodology	45
EET601	Project Design And Management	45
EET602	Computational Intelligence In Engineering	45
EET607	Power System Simulation Lab	45
EET608	Power System Stability And Control	45
SUB-TOTAL		225

YEAR ONE SEMESTER TWO		
UNIT CODE	UNIT TITLE	HOURS
EET619	Facts Devices And HvdC Transmission	45
EET620	Photovoltaic Systems	45
EET621	Electricity Markets	45
EET622	Energy Auditing And Demand Side Management	45
EET623	Advanced Power System Protection	45
SUB-TOTAL		225

YEAR TWO SEMESTER ONE & TWO		
UNIT CODE	UNIT TITLE	HOURS
	Research & Thesis Submission	270
GRAND TOTAL		720

During the 3rd Semester of the 1st Year, the students shall proceed for an industrial attachment and prepare their research proposals.

- a) Carry out research and present their findings in scientific conferences and publish in scholarly journals.
- b) Apply knowledge of mathematics and science in a creative and innovative way to design, develop and produce useful products and/or services for society; and be able to manage these activities.
- c) Analyze complex electrical and electronics engineering problems and develop innovative solutions.

Advance to higher levels of training and engage in life-long learning in the specialized areas of the electrical and electronic engineering discipline.