Department of Electrical Engineering

Electrical engineering is the study of power generation, operation, and electrical energy conversion, which are the core of high-tech industries.

Professor Introduction

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Curriculum

Course Code	Course Title	Credit
813.501	Power System Analysis	3-3-0
813.502	Phenomena of Dielectric Materials	3-3-0
813.503	Linear System Theory	3-3-0
813.504	Energy Conversion System	3-3-0

813.505	Electro-Magnetic Transient Program Application	3-3-0
813.506	Electric Machines Control	3-3-0
813.601	Power System Planning	3-3-0
813.602	PowerProtectionSystem	3-3-0
813.603	Design of Power System Apparatuses	3-3-0
813.604	Solid State Physics	3-3-0
813.605	Seminar on Medical sensor & Measurement	3-3-0
813.606	Medical Light Sources & Applications Seminar	3-3-0
813.607	Special Researches in Control Engineering	3-3-0
813.608	Digital System Design	3-3-0
813.609	Digital Control System	3-3-0
813.61	Electrical Machines Design	3-3-0
813.611	Electro-mechanical System Control Design	3-3-0
813.612	Analysis on Special Purpose Electric Machines	3-3-0
813.613	DistributedGeneration System&Energy Engineering	3-3-0
813.614	Distribution System Analysis and Automation	3-3-0
813.615	Computer Protective Relaying & Smart Grid Control Application	3-3-0
813.616	Advanced Power Conversion System	3-3-0
813.617	Design of Power Supply System	3-3-0
813.618	Advanced Microprocessor Application	3-3-0
813.619	Intelligent Electronic Device & Smart Grid Application	3-3-0
813.62	Analysis and Design of the Power System	3-3-0
813.621	Analysis of the Transient Characteristics of the Power System	3-3-0
813.622	Operation of the Dispersed Generation System	3-3-0
813.623	Design of the Circuit System	3-3-0
813.624	Electro-Magnetic Field Theory	3-3-0
813.625	Electronic Sensor System for Medical Applications	3-3-0

813.626	Electric-Electronic Materials and Dielectricity Theory	3-3-0
813.627	PowerLED/Laser Applications Seminar	3-3-0
813.628	Electromagnetic Energy Conversion	3-3-0
813.629	Renewable Energy Application Theory	3-3-0
813.63	Electric Machines Control Design	3-3-0
813.631	Electric Quality Advance Theory	3-3-0
813.632	Electro-Magnetic Transient Program & Analysis	3-3-0
813.633	Micro Grid & Energy IT Application	3-3-0
813.634	Electrical System Automation & Computer Application	3-3-0
813.635	Electromotive Force Control System	3-3-0
813.636	Power Conversion System Design	3-3-0
813.637	Advanced Embedded System	3-3-0
813.638	Advanced Programming Languages	3-3-0
813.639	Advanced Project Management	3-3-0
813.64	AdvancedAlgorithms	3-3-0