

Tentative Course Offering Schedule for the Year 2024-25

(subject to change)

Fall 2024-25			
Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3400	Introduction to Integrated Circuits and Systems
ELEC1100	Introduction to Electro-Robot Design	ELEC3500	Integrated Circuit Devices
ELEC1200	A System View of Communications: from Signals to Packets	ELEC40100	Practical Considerations of Analog Integrated Circuit Design
ELEC2100	Signals and Systems	ELEC4010T	Business for Electronic Engineers
ELEC2350	Introduction to Computer Organization and Design	ELEC4110	Digital Communications and Wireless Systems
ELEC2400	Electronic Circuits	ELEC4220	Introduction to Robotics: From Mobile Robots to Manipulators
ELEC2420	Basic Electronics	ELEC4240	Deep Learning in Computer Vision
ELEC2600	Probability and Random Processes in Engineering	ELEC4320	FPGA-based Design: From Theory to Practice
ELEC3120	Computer Communication Networks	ELEC4410	CMOS VLSI Design
ELEC3200	System Modeling, Analysis and Control	ELEC4420	Analogue Integrated Circuits Design and Analysis
ELEC3210	Introduction to Mobile Robotics	ELEC4810	Introduction to Biosensors and Bioinstrumentation
ELEC3300	Introduction to Embedded Systems	ELEC4820	Medical Imaging
ELEC3310	Digital Fundamentals and System Design		

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Spring 2024-25

Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3600	Electromagnetics: From Wireless to Photonic Applications
ELEC1030	The Rise of Autonomous Robots	ELEC4010P	Quantum Mechanics for Electronic Engineers
ELEC1100	Introduction to Electro-Robot Design	ELEC4010Q	Special Topics (TBC)
ELEC1200	A System View of Communications: from Signals to Packets	ELEC4010S	Special Topics (TBC)
ELEC2100	Signals and Systems	ELEC4130	Machine Learning on Images
ELEC2350	Introduction to Computer Organization and Design	ELEC4260	Introduction to Embodied AI
ELEC2400	Electronic Circuits	ELEC4310	Embedded System Design
ELEC2600	Probability and Random Processes in Engineering	ELEC4430	Integrated Power Electronics
ELEC3100	Signal Processing and Communications	ELEC4520	Integrated Circuit Fabrication Technology
ELEC3180	Data-Driven Portfolio Optimization	ELEC4530	Fundamentals of Photovoltaic and Renewable Energy
ELEC3200	System Modeling, Analysis and Control	ELEC4610	Engineering Optics
ELEC3300	Introduction to Embedded Systems	ELEC4840	Artificial Intelligence for Medical Image Analysis
ELEC3400	Introduction to Integrated Circuits and Systems		