

Tentative Course Offering Schedule for the Year 2022-23

(subject to change)

Fall 2022-23			
Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3300	Introduction to Embedded Systems
ELEC1100	Introduction to Electro-Robot Design	ELEC3310	Digital Fundamentals and System Design
ELEC1200	A System View of Communications: from Signals to Packets	ELEC3400	Introduction to Integrated Circuits and Systems
ELEC2100	Signals and Systems	ELEC3500	Microelectronic Devices and Technology
ELEC2350	Introduction to Computer Organization and Design	ELEC4110	Digital Communications and Wireless Systems
ELEC2400	Electronic Circuits	ELEC4240	Deep Learning in Computer Vision
ELEC2420	Basic Electronics	ELEC4320	FPGA-based Design: From Theory to Practice
ELEC2600	Probability and Random Processes in Engineering	ELEC4410	CMOS VLSI Design
ELEC3120	Computer Communication Networks	ELEC4420	Analogue Integrated Circuits Design and Analysis
ELEC3200	System Modeling, Analysis and Control	ELEC4810	Introduction to Biosensors and Bioinstrumentation
ELEC3210	Machine Learning and Information Processing for Robotics	ELEC4820	Medical Imaging

Tentative Course Offering Schedule for the Year 2022-23

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Spring 2022-23

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	ELEC3600	Electromagnetics: From Wireless to Photonic Applications
ELEC1200	A System View of Communications: from Signals to Packets	ELEC4010N	Artificial Intelligence for Medical Image Analysis
ELEC2100	Signals and Systems	ELEC4130	Digital Image Processing
ELEC2350	Introduction to Computer Organization and Design	ELEC4210	Control System Design
ELEC2400	Electronic Circuits	ELEC4220	Introduction to Robotics: From Mobile Robots to Manipulators
ELEC2600	Probability and Random Processes in Engineering	ELEC4230	Deep Learning for Natural Language Processing
ELEC3100	Signal Processing and Communications	ELEC4430	Integrated Power Electronics
ELEC3120	Computer Communication Networks	ELEC4510	Semiconductor Materials and Devices
ELEC3180	Data-Driven Portfolio Optimization	ELEC4520	Integrated Circuit Fabrication Technology
ELEC3200	System Modeling, Analysis and Control	ELEC4530	Fundamentals of Photovoltaic and Renewable Energy
ELEC3300	Introduction to Embedded Systems	ELEC4610	Engineering Optics