

Tentative Course Offering Schedule for the Year 2021-22

(subject to change)

Fall 2021-22			
Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3300	Introduction to Embedded Systems
ELEC1100	Introduction to Electro-Robot Design	ELEC3400	Introduction to Integrated Circuits and Systems
ELEC1200	A System View of Communications: from Signals to Packets	ELEC3500	Microelectronic Devices and Technology
ELEC2100	Signals and Systems	ELEC4110	Digital Communications and Wireless Systems
ELEC2350	Introduction to Computer Organization and Design	ELEC4240	Deep Learning in Computer Vision
ELEC2400	Electronic Circuits	ELEC4320	FPGA-based Design: From Theory to Practice
ELEC2420	Basic Electronics	ELEC4410	CMOS VLSI Design
ELEC2600	Probability and Random Processes in Engineering	ELEC4420	Analogue Integrated Circuits Design and Analysis
ELEC2600H	Honors Probability and Random Processes in Engineering	ELEC4810	Introduction to Biosensors and Bioinstrumentation
ELEC3120	Computer Communication Networks	ELEC4820	Medical Imaging
ELEC3200	System Modeling, Analysis and Control (Offer in Fall only)	ELEC4830	Statistical Signal Analysis and Applications in Neural Engineering
ELEC3210	Machine Learning and Information Processing for Robotics		

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Spring 2021-22			
Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3300	Introduction to Embedded Systems
ELEC1030	The Rise of Autonomous Robots	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	ELEC4130	Digital Image Processing
ELEC2100	Signals and Systems	ELEC4210	Control System Design
ELEC2350	Introduction to Computer Organization and Design	ELEC4220	Introduction to Robotics: From Mobile Robots to Manipulators
ELEC2400	Electronic Circuits	ELEC4230	Deep Learning for Natural Language Processing
ELEC2600	Probability and Random Processes in Engineering	ELEC4430	Integrated Power Electronics
ELEC3100	Signal Processing and Communications	ELEC4530	Fundamentals of Photovoltaic and Renewable Energy
ELEC3120	Computer Communication Networks	ELEC4610	Engineering Optics
ELEC3180	Data-Driven Portfolio Optimization		