

Tentative Course Offering Schedule for the Year 2020-21

(subject to change)

Fall 2020-21			
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	ELEC4150	Information Theory and Error-Correcting Codes
ELEC2420	Basic Electronics	ELEC4240	Deep Learning in Computer Vision
ELEC2600	Probability and Random Processes in Engineering	ELEC4320	FPGA-based Design: From Theory to Practice
ELEC2600H	Honors Probability and Random Processes in Engineering	ELEC4410	CMOS VLSI Design
ELEC3120	Computer Communication Networks	ELEC4620	Photonics and Optical Communications
ELEC3200	System Modeling, Analysis and Control (Offer in Fall only)	ELEC4810	Introduction to Biosensors and Bioinstrumentation
ELEC3210	Machine Learning and Information Processing for Robotics		

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Spring 2020-21			
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	ELEC3450	Introduction to Smart Electric Power Systems
ELEC1200	A System View of Communications: from Signals to Packets	ELEC3600	Electromagnetics: From Wireless to Photonic Applications
ELEC2100	Signals and Systems	ELEC4210*	Control System Design
ELEC2350	Introduction to Computer Organization and Design	ELEC4130	Digital Image Processing
ELEC2400	Electronic Circuits	ELEC4230	Deep Learning for Natural Language Processing
ELEC2600	Probability and Random Processes in Engineering	ELEC4310	Embedded System Design
ELEC3100	Signal Processing and Communications	ELEC4430	Integrated Power Electronics
ELEC3120	Computer Communication Networks	ELEC4530	Fundamentals of Photovoltaic and Renewable Energy
ELEC3180	Data-Driven Portfolio Optimization	ELEC4610	Engineering Optics

* To be approved