

ECE Courses - Fall 2018

Catalog Number	Title	Instructor
ECE-UY 2004	Circuits	Campisi, Matthew
ECE-UY 2233	Probability	Pillai, Unnikrishna
ECE-UY 3054	Signals and Systems	Campisi, Matthew
ECE-UY 3114	Electronics 1	Knox, Michael
ECE-UY 3124	Electronics 2	Das, Nirod
ECE-UY 3604	EM Waves	Kuo, Spencer
ECE-UY 4001 A	ECE Professional Development	Krikorian, Nina
ECE-UY 4001 B	ECE Professional Development	Krikorian, Nina
ECE-UY 4123	Electrical Power & Machinery (DP1)	De Leon, Francisco
ECE-UY 4133	EM Waves & Applications (DP1)	Lu, I-Tai
ECE-UY 4144	Embedded Systems	Campisi, Matthew
ECE-UY 4163	Real-time DSP (DP1)	Selesnick, Ivan
ECE-UY 4173	Telecom Networks (DP1)	Panwar, Shivendra
ECE-UY 4183	Wireless Comm (DP1)	Knox, Michael
ECE-UY 4313	Computer Eng Design Project I (DP1)	Fund, Fraida
ECE-UY 4423	Powering the Internet (special topics)	Czarkowski, Dariusz
ECE-UY 4563	Intro to Machine Learning	Sellie, Linda (CSE)
ECE-UY 4563	Intro to Machine Learning (DP1)	Rangan, Sundeep
ECE-GY 5253	Applied Matrix Theory	Jiang, Zhongping
ECE-GY 5373 J	Internet Architecture & Protocols	Zhao, Zhengxue
ECE-GY 5373 I	Internet Architecture & Protocols	Panwar, Shivendra
ECE-GY 5533/PH5493	Physics of Nanoelectronics	Wolf, Edward (Physics)
ECE-GY 5613	Introduction to Electric Power Systems	Zabar, Zivan
ECE-GY 5623	Finite Elements	De Leon, Francisco
ECE-GY 6023	Wireless Communications	Rappaport, Theodore
ECE-GY 6113 A /BE6403	Digital Signal Processing I	Wang, Yao
ECE-GY 6113 B /BE6403	Digital Signal Processing I	Marzetta, Thomas
ECE-GY 6143	Machine Learning	Choromanska, Anna
ECE-GY 6183	Digital Signal Processing Laboratory	Selesnick, Ivan
ECE-GY 6243	System Theory and Feedback Control	Krishnamurthy, Prashanth
ECE-GY 6253	Linear Systems	Khorrami, Farshad
ECE-GY 6263	Game Theory	Zhu, Quanyan
ECE-GY 6303 I /BE6453	Probability and Stochastic Processes	Erkip, Elza
ECE-GY 6303 A /BE6453	Probability and Stochastic Processes	Erkip, Elza
ECE-GY 6363	Data Center & Cloud Computing	Chao, Jonathan
ECE-GY 6463	Advanced Hardware Design	Karri, Ramesh
ECE-GY 6473	Introduction to VLSI System Design	Rakheja, Shaloo
ECE-GY 6513	Fundamentals of Solid-State Electronic Devices	Shahrjerdi, Davood
ECE-GY 6603	Power Electronics	Zabar, Zivan
ECE-GY 6623	Smart Grids: Control, Economics, Planning and Regu	Dvorkin, Yury
ECE-GY 6693	Electronic Power Supplies	Czarkowski, Dariusz
ECE-GY 6713	Electromagnetic Theory and Applications	Das, Nirod
ECE-GY 6813 /BE6203	Medical Imaging I	Mamou, Jonathan
ECE-GY 6913 A	Computing Systems Architecture	Garg, Siddharth
ECE-GY 6913 B	Computing Systems Architecture	Garg, Siddharth
ECE-GY 9343 A	Data structures and algorithms	Liu, Pei
ECE-GY 9343 B	Data structures and algorithms	Liu, Yong
ECE-GY 9713	RF Circuit Design Lab	Lu, I-Tai

ECE Courses - Spring 2019 (updated October 5, 2018) (Subject to change)

Catalog Number	Title	Instructor
ECE-UY 1002	Introduction to Electrical Eng	Campisi, Matthew
ECE-UY 1012	Introduction to Computer Eng	Krikorian, Nina
ECE-UY 2004	Circuits	Knox, Michael
CS-UY 2164	Intro to C programming	Carter, John
ECE-UY 2613	Electric power engineering for non-EE	Bochynski, Zdzislaw
ECE-UY 3054	Signals and Systems	Selesnick, Ivan
ECE-UY 3064	Feedback Control	Jiang, Zhongping
ECE-UY 3114	Electronics 1	Shahrjerdi, Davood
ECE-UY 3124	Electronics 2	Knox, Michael
ECE-UY 3143	Introduction to Smart Grids	Dvorkin, Yury
ECE-UY3193	VLSI Circuits	Garg, Siddharth
ECE-UY 3404	Communication Theory	Marzetta, Tom
ECE-UY 3474	Modern Optics	Arnold, Stephen
ECE-UY 3604	EM Waves	Das, Nirod
ECE-UY 3613	Communication Networks	Liu, Yong
ECE-UY 3824	Electric Energy Conversion	Zabar, Zivan
ECE-UY 4144	Embedded Systems	Campisi, Matthew
ECE-UY 4283	Wireles Information Sys Lab II	Knox, Michael
ECE-UY 4423	Nanoelectronics	Rakheja, Shaloo
ECE-GY 5223	Sensor Based Robotics	Khorrami, Farshad
ECE-GY 5373	Internet Architecture & Protocols Lab	Zhao, Zhengxue
ECE-GY 5463	RF/Microwave Integrated Circuits	Kuo, Spencer
ECE-GY 6013	Digital Communications	Rangan, Sundeep
ECE-GY 6063	Information Theory	Shirani, Farhad
ECE-GY 6113/BE6403	Digital Signal Processing I	Lu, I-Tai
ECE-GY 6123	Image and video processing	Wang, Yao
ECE-GY 6143	Machine learning	Sundeep Rangan
ECE-GY 6233	System Optimization Method	Zhu, Quanyan
ECE-GY 6303 /BE6453	Probability and Stochastic Processes	Lu, I-Tai
ECE-GY 6333	Detection and estimation	Pillai, Unnikrishna
ECE-GY 6383	High-Speed Networks	Chao, Jonathan
ECE-GY 6403	Analog Integrated circuit design	Shahrjerdi, Davood
ECE-GY 6483	Real-time Embeded Systems	Campisi, Matthew
ECE-GY 6523	Nanoelectronic Devices	Rakheja, Shaloo
ECE-GY 6583	Fiber Optic Communications	Kuo, Spencer
ECE-GY 6653	Power System Stability	Dvorkin, Yury
ECE-GY 6673	Resonant Power Converters	Czarkowski, Dariusz
ECE-GY 6683	Electric Drives	Zabar, Zivan
ECE-GY 6723	Electromagnetic Radiation and Antennas	Das, Nirod
ECE-GY 7143	Advanced Machine Learning	Choromanska, Anna
ECE-GY 7253	State Space Design	Khorrami, Farshad
ECE-GY 7353	Communication Networks I: Analysis, Modeling and Perf	Panwar, Shivendra
ECE-GY 7373	High Performance Switches and Routers	Chao, Jonathan
ECE-GY 9173	Audio Content Analysis	Bello, Juan
ECE-GY 92x3	Optimization and RL for Robotics (new)	Righetti, Ludovic
ECE-GY 9253	Special topics in Robotics (new)	Loianno, Giuseppe
ECE-GY 8233	Optimal Control	Zhu, Quanyan
ECE-GY 9343	Data Structure and Algorithms	Liu, Yong
ECE-GY 9453	Selected Topics: Hardware Security	Karri, Ramesh