

ECE Courses to Offer Fall 2019 & Winter 2020

Catalog	Nbr	Course Name	#	Instructor	#	Instructor
			sec's		sec's	
			Fall 19		Win 20	
	100	Engin 100	2	Dick + Garmire	2	Ku (drones) + Zhong (solar)
	101	Engin 101				
	250	UARTS 250				
	390	Engin 390				
	501	Robotics 501	1	Gregg		
	550	Robotics 550	1			
	601	EER 601			1	Finelli
	203	Discrete Math				
	370	Intro Comp Org				
	373	Design Microproc Sys				
	200	EE Systems Design I	1	Phillips	1	Pierce
	215	Intro to Elect Circ	2	Finelli x 2	1	Terry (1 section)
	216	Intro Signals&Syst	2	Lafortune x 2	2	Anastasopoulos x 2
	230	EMAG I	1	Lee	1	Kushner
	300	EE Systems Design II	1	Gilchrist/Revzen (398)	1	Gilchrist/Revzen
	301	Prob Methods Eng	1	Stark	1	Mahdavifar
	311	Elect Circuits	1	Flynn	1	Avestruz
	312	Digit Integrat Circ	1	Sylvester	1	Garmire
	314	Elec Ckts, Sys&Appl	1	Ganago	1	Ganago
	320	Intr Semicon Devices	1	Bhattacharya	1	Forrest
	330	Emag II	1	Tsang	1	Willingale
	334	Prin of Optics	1	Deotare	1	Winful
	351	Dig Sig Proc	1	Arbabjolfaei	1	Nadakuditi
	398	Special Topics in EECS			1	Stark
	406	High-Tech Entrep				
	410	Patent Fund Eng				
	411	M-Wave Circ I	1	Mortazawi		
	413	Monolith Ampl Circ	1	Afshari		
	414	Intro to MEMS	1	Najafi		
	418	Power Electronics	1	Avestruz		
	419	Elec Mach and Drives			1	Hofmann
	421	Prop-Transistors	1	Ahmadi		
	423	Sol State Dev Lab	1	Kanicki		
	425	Integ Microsys Lab			1	Yoon
	427	VLSI Design I	1	Zhang	1	TBD
	428	Quant Nano Tech	1	Steel		
	429	Semi Optoelec Dev			1	Bhattacharya
	430	Radiowave Prop				
	434	Princ Photon	1	Rand		
	438	Lasers Lab	1	Deotare	1	Galvanauskas
	442	Computer Vision		CSE Fouhey		CSE Johnson
	444	Analysis Social Netwrks	1	Subramanian		
	445	Intro Machine Learning				
	452	DSP Design Lab	1	Wakefield	1	Kim
	453	App Matr for SP				
	455	Digital Comm Signal	1	Stark		
	460	Con Sys Anlys&Des	1	Meerkov	1	Mathieu
	461	Embedded Control	1	Freudenberg	1	Cook
	463	Power Sys Deg&Oper	1	Hiskens		
	464	Hands-on Robotics			1	Revzen
	498	Special Topics				
	500	Tutorial lec sys sci				
	501	Prob&Random Proc	1	Pradhan	1	Pradhan
	502	Stoch Processes			1	Subramanian
	503	Intro Num Em			1	Tsang
	504	Fnd Computer Vision	1			Owens
	505	Computational Data Sci	1	Nadakuditi		
	509	BioMEMS	1	Yoon		
	510	RF MEMS				
	511	A/D Interfaces			1	Flynn

Catalog		# sec' s Fall	Instructor	# sec' s Win	Instructor
Nbr	Course Name	19		20	
512	Amorph Sem			1	Kanicki
513	Flat Pan Displ				
514	Advanced MEMS				
515	Integ Microsystems			1	Gianchandani
517	Phys Proc in Plas	1	Kushner		
520	Solid State Physics	1	Zhong		
521	Solid State Devices			1	Guo
522	Analog Integr Ckt			1	Wentzloff
523	Digital Integ Tech	1	Kanicki		
525	Adv SS M-Wave Cir			1	Mortazawi
526	Plasmonics			1	Lee
528	M-Elec Proc Tech			1	Guo
529	Semi Las & Leds	1	Ku		
530	Electromag Thry I	1	Sarabandi		
531	Antenna Thry&Des				
532	M-Wave Rem Sens I				
533	Mw Meas Lab				
537	Classical Optics	1	Norris		
538	Opt Wave Crystals	1	Winful		
539	Lasers			1	Galvanauskas
540	Appl Quant Mech I	1	Kira		
541	Appl Qntm Mech II				
542	Vision Processing		Not offered		Not offered
545	Machine Learning	1	Hero		
546	Ultrafast Optics			1	Norris
550	Information Theory	1	Neuhoff		
551	Math Meth Sig Proc	1	Fessler		
552	Fib Opt:Intrnt Biomd				
553	Thy Practice Data Comp				
554	Dig Comm&Codes	1	Mahdavifar		
555	Digital Comm Thry				
556	Image Processing				
557	Communication Net			1	Ying
558	Stochastic Contrl	1	Anastasopoulos		
560	Linear Systems		ME covering		CEE covering
562	NI Sys&Con			1	Meerkov
563	Hybrid Control				
564	Estim, Filter&Detect			1	Hero
565	Lin Feedback Control			1	Freudenberg
566	Discrete Event Systems				
569	Prod Syst Eng			1	Meerkov
					Afshari, Hiskens, Pradhan, Ahmadi, Fessler, Kira,
598	Special Topics in EECS	3	Kim, Mathieu, Willingale	8	Dick, Ying
600	Func Meth Sys Thry				
620	Elect Opt Semicon			1	Mi
627	VLSI Design II			1	Blaauw
628	Adv Hi Perf VLSI		Cancelled		
632	M-Wav Rem Sens II				
633	Numerical Meth's EM				
634	Nonlinear Optics				
638	Quant Thy Light			1	Rand
650	Chanel Coding Thry				
662	Adv NI Cont				
730	Spec'l topics EM			1	Sarabandi
755	Spec'l topics Sig Proc				