

ECE Courses to Offer Fall 2021 & Winter 2022

Cata log Nbr	Course Name	# sec's Fall	Instructor	# sec's Win	Instructor
		21		22	
100	Engin 100	1	Ku	2	Fessler, Norris
101	Engin 101				
250	UARTS 250				
390	Engin 390				
501	Robotics 501	1	Ozay		
550	Robotics 550				
599	Robotics 599				
580	EER 580				
601	EER 601				
203	Discrete Math				
270	Logic Design				
370	Intro Comp Org				
373	Design Microproc Sys			1	Dick
496	Ethics		CSE will cover	1	Wentzloff
200	EE Systems Design I	1	Pierce	1	Pierce
215	Intro to Elect Circ	2	Terry x 2	2	Winful + P. Zhang
216	Intro Signals&Syst	1	Lafortune x 2	2	Wakefield + Subramanian
230	EMAG I	1	Lee	1	Kushner
298	Raj Python	1	Nadakuditi		
300	EE Systems Design II	1	Gilchrist	1	Kim + Ku
301	Prob Methods Eng	1	Meerkov	1	Stark
311	Elect Circuits	1	Flynn	1	Gianchandani
312	Digit Integrat Circ	1	Garmire	1	Garmire
314	Elec Ckts, Sys&Appl	1	Ganago	1	Ganago
320	Intr Semicon Devices	1	Mi	1	Ahmadi
330	Emag II	1	Tsang	1	Willingale
334	Prin of Optics	1	Deotare	1	Willingale
351	Dig Sig Proc	1	Sangsin Na	1	Balzano
398	Special Topics in EECS				
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				
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	Z. Zhang	1	Z. Zhang
428	Quant Nano Tech	1	Steel		
429	Semi Optoelec Dev			1	Guo
430	Radiowave Prop			1	Mortazawi
434	Princ Photon	1	Islam		
435	Fourier Optics	1	Grbic		
438	Lasers Lab	1	Deotare	1	Galvanauskas
442	Computer Vision	1	Owens		
444	Analysis Social Netwrks	1	Subramanian		
445	Intro Machine Learning				
452	DSP Design Lab	1	Revzen	1	Hero
453	App Matr for SP				
455	Digital Comm Signal	1	Stark		
460	Con Sys Anlys&Des	1	Seiler	1	Ozay
461	Embedded Control	1	Freudenberg	1	Cook
463	Power Sys Deg&Oper	1	Mathieu		
464	Hands-on Robotics			1	Revzen
			Qu, Berenson,		
498	Special Topics	3	Avestruz	1	Steel (quantum EM)
500	Tutorial lec sys sci				
501	Prob&Random Proc	1	Ying	1	Pradhan
502	Stoch Processes				
503	Intro Num Em				
504	Fnd Computer Vision				
505	Computational Data Sci	1	Nadakuditi		
506	Design Power Electrnics				
507	Intro Emb Systems	1	P. Zhang		
508	Ctrl Mod Power Elec			1	Avestruz
509	BioMEMS				

Cata log Nbr	Course Name	# sec's Fall		# sec's Win	
		21	Instructor	22	Instructor
510	RF MEMS			1	Najafi
511	A/D Interfaces			1	Flynn
512	Amorph Sem				
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	Afshari
523	Digital Integ Tech	1	Kanicki		
524	Organic Electronics				
525	Adv SS M-Wave Cir				
526	Plasmonics			1	Lee
528	M-Elec Proc Tech			1	Kanicki
529	Semi Las & Leds	1	Bhattacharya		
530	Electromag Thry I	1	Sarabandi		
531	Antenna Thry&Des			1	Grbic
532	M-Wave Rem Sens I				
533	Mw Meas Lab				
534	Distribution Networks				
536	Power distribution			1	Mathieu
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			1	Steel
542	Vision Processing			1	Owens
544	Analysis Social Netwrks	1	Subramanian		
545	Machine Learning	2	Scott & Hero		
546	Ultrafast Optics			1	Norris
550	Information Theory	1	Pradhan		
551	Math Meth Sig Proc	1	Fessler		
552	Fib Opt:Intrnt Biomd	1	Islam		
553	Thy Practice Data Comp				
554	Dig Comm&Codes	1	Mahdavifar		
555	Digital Comm Thry			1	Stark
556	Image Processing				
557	Communication Net			1	Ying
558	Stochastic Contrl	1	Anastasopoulos		
559	Optimization SIPML			1	Qu
560	Linear Systems	1	Gillespie	1	Freudenberg
562	NI Sys&Con			1	Meerkov
563	Hybrid Control				
564	Estim, Filter&Detect			1	Scott
565	Lin Feedback Control			1	Seiler
566	Discrete Event Systems				
567	Robot Kinematic Dyn			1	Gregg
569	Prod Syst Eng			1	Meerkov
			Kim, Balzano, Hofmann, Hofmann/Liu		
598	Special Topics in EECS	4		3	Pradhan, Kira, Berenson
600	Func Meth Sys Thry				
605	New Raj class			1	Nadakuditi
620	Elect Opt Semicon			1	Mi
627	VLSI Design II			1	Sylvester
628	Adv Hi Perf VLSI				
632	M-Wav Rem Sens II				
633	Numerical Meth's EM			1	Tsang
634	Nonlinear Optics				
638	Quant Thy Light				
650	Chanel Coding Thry				
662	Adv NI Cont				
698	Special topics				
730	Spec'l topics EM				
755	Spec'l topics Sig Proc				