

ECE Courses to Offer Fall 2020 & Winter 2021

Cata log Nbr	Course Name	# sec's Fall	Instructor	# sec's Win	Instructor
		20		21	
100	Engin 100	2	Dick (drones) x 2	2	Zhong (solar) + Ku (drones)
101	Engin 101				
250	UARTS 250				
390	Engin 390				
501	Robotics 501	1	Gregg		
550	Robotics 550				
599	Robotics 599				
580	EER 580	1	Finelli		
601	EER 601				
203	Discrete Math				
270	Logic Design				
370	Intro Comp Org				
373	Design Microproc Sys				
496	Ethics	1	Phillips --> Subramanian		
200	EE Systems Design I	1	Pierce	1	Pierce
215	Intro to Elect Circ	2	Wentzloff + Terry	2	Afshari + P. Zhang
216	Intro Signals&Syst	1	Anastasopoulos (1 large per CoE r	2	Lafortune + Wakefield
230	EMAG I	1	Michielssen	1	Norris
300	EE Systems Design II	1	Gilchrist	1	Gilchrist
301	Prob Methods Eng	1	Meerkov	1	Stark
311	Elect Circuits	1	Flynn	1	Najafi
312	Digit Integrat Circ	1	Garmire	1	Kim
314	Elec Ckts, Sys&Appl	1	Ganago	1	Ganago
320	Intr Semicon Devices	1	Mi	1	Peterson
330	Emag II	1	Tsang	1	Willingale
334	Prin of Optics	1	Rand	1	Willingale
351	Dig Sig Proc	1	Balzano	1	Arbabjolfaei
398	Special Topics in EECS			1	Anastasopoulos
406	High-Tech Entrep				
410	Patent Fund Eng			1	Islam
411	M-Wave Circ I	1	Mortazawi		
413	Monolith Ampl Circ	1	Afshari		
414	Intro to MEMS	1	Yoon		
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	Sylvester	1	Z. Zhang
428	Quant Nano Tech	1	Steel		
429	Semi Optoelec Dev			1	Bhattacharya
430	Radiowave Prop			1	Budhu
434	Princ Photon	1	Islam		
438	Lasers Lab	1	Deotare	1	Galvanauskas
442	Computer Vision	1	Owens		CSE will cover
444	Analysis Social Netwrks				
445	Intro Machine Learning				
452	DSP Design Lab	1	Kim	1	Revzen
453	App Matr for SP				
455	Digital Comm Signal	1	Stark		
460	Con Sys Anlys&Des	1	Seiler	1	Meerkov
461	Embedded Control	1	Freudenberg	1	Cook
463	Power Sys Deg&Oper	1	Hiskens		
464	Hands-on Robotics				
498	Special Topics	2	Berenson, Landwehr		Avestruz
500	Tutorial lec sys sci				
501	Prob&Random Proc	1	MahdaviFar	1	Pradhan
502	Stoch Processes			1	Subramanian
503	Intro Num Em			1	Tsang
504	Fnd Computer Vision	1	Corso		
505	Computational Data Sc	1	Nadakuditi		
506	Design Power Electrnics				
507	Intro Emb Systems			1	Dick

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508	Ctrl Mod Power Elec			1	Avestruz
509	BioMEMS				
511	A/D Interfaces				
512	Amorph Sem				
513	Flat Pan Displ				
514	Advanced MEMS			1	Gianchandani
515	Integ Microsystems				
517	Phys Proc in Plas		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		
524	Organic Electronics			1	Forrest
525	Adv SS M-Wave Cir			1	Mortazawi
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		Ulaby (CANCELLED)		
533	Mw Meas Lab			1	Sarabandi
534	Distribution Networks			1	Hiskens
537	Classical Optics	1	Norris		
538	Opt Wave Crystals				
539	Lasers			1	Galvanauskas
540	Appl Quant Mech I	1	Kira		
541	Appl Qntm Mech II			1	Kira
542	Vision Processing			1	Owens
545	Machine Learning	1	Scott		CSE to cover
546	Ultrafast Optics				
550	Information Theory	1	Pradhan		
551	Math Meth Sig Proc	1	Fessler		
552	Fib Opt:Intrnt Biomed			1	Islam
553	Thy Practice Data Comp				
554	Dig Comm&Codes	1	Mahdavifar		
555	Digital Comm Thry			1	Stark
556	Image Processing			1	Fessler
557	Communication Net			1	Ying
558	Stochastic Contrl				
560	Linear Systems		ME (Gillespie)	1	Ozay
562	NI Sys&Con			1	Meerkov
563	Hybrid Control	1	Ozay		
564	Estim, Filter&Detect			1	Cancel
565	Lin Feedback Control			1	Seiler
566	Discrete Event Systems	1	Lafortune		
567	Robot Kinematic Dyn			1	Gregg
569	Prod Syst Eng				
598	Special Topics in EEC&S	5	Ying, Peterson, Grbic, Deotare, Kuhsner	7	Scott, Qu-Opt, Vision- (Corso/Owens), Berenson, Ahmadi, Pradhan (quantum), Kushner
600	Func Meth Sys Thry		Balzano (POSTPONED)	1	Balzano
605	New Raj class			1	Nadakuditi
620	Elect Opt Semicon			1	Mi
627	VLSI Design II			1	Blaauw
628	Adv Hi Perf VLSI		Blaauw		
632	M-Wav Rem Sens II				
633	Numerical Meth's EM				
634	Nonlinear Optics			1	Winful
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				