

ECE Course Offerings Fall 2015 & Winter 2016

Catalog Nbr	Course Name	# sec's Fall 15		# sec's Win 16		catalog term listing	Cross-listing
100	Engin 100	2	Fessler, Phillips	3	Nadakuditi, Stark, Yagle		
250	UARTS 250						
390	Engin 390						
501	Robotics 501	1	Grizzle				
550	Robotics 550	1	Revzen				
203	Discrete Math	1	Lafortune				
370	Intro Comp Org						
215	Intro to Elect Circ	2	Terry, Lahiji	1	Hiskens, Finelli	I, II	
216	Intro Signals&Syst	2	Yagle, Yagle	2	Lafortune, Winick	I, II	
230	EMAG I	2	Ulaby, Ulaby	2	Lee	I, II	
301	Prob Methods Eng	1	Winick	1	Pradhan	I, II	
311	Elect Circuits	1	Peterson	1	Peterson	I, II	
312	Digit Integrat Circ	1	Blaauw	1	Sylvester	I, II	
314	Elec Ckts, Sys&Appl	1	Ganago	1	Ganago	I, II	
320	Intr Semicon Devices	2	Lu	2	Bhattacharya, Ku	I, II	
330	Emag II	1	Tsang		Michielssen	I, II	
334	Prin of Optics	1	Rand	1	Willingale	I, II	
351	Dig Sig Proc	1	Balzano	1	Yagle	I, II	
398	Special Topics in EECS			1	Scott (information science)		
401	Prob Methods Eng					I, II	
406	High-Tech Entrep			1	Islam	I	ENGR 406
410	Patent Fund Eng					I alt yrs	ENGR 410
411	M-Wave Circ I	1	Mortazawi			I	
413	Monolith Ampl Circ	1	Wentzloff			I	
414	Intro to MEMS	1	Yoon			I	
418	Power Electronics	1	Hofmann				
419	Elec Mach and Drives			1	Hofmann		
421	Prop-Transistors	1	Guo			I	
423	Sol State Dev Lab	1	Kanicki			I	
425	Integ Microsys Lab			1	Lahiji	II	
427	VLSI Design I	1	Sylvester	1	Mazumder	I, II	
429	Semi Optoelec Dev			1	Singh	II	
430	Radiowave Prop			1	Grbic	II	AOSS 431
434	Princ Photon	1	Islam			I	
438	Lasers Lab			1	Galvanauskas	II	
442	Computer Vision	1	Johnson-Robertson				
445	Intro Machine Learning						
452	DSP Design Lab	1	Liu	1	Wakefield	I, II	
453/551	App Matr for SP	1	Nadakuditi				
455	Digital Comm Signal	1	Stark			I	
460	Con Sys Anlys&Des	1	Meerkov	1	Ozay	I, II	
461	Embedded Control	1	Freudenberg	1	Cook	I, II	
463	Power Sys Deg&Oper	1	Mathieu				
498	Special Topics	1	Subramanian (networks)	1	Revzen (hands on robotics)	I,II	
498	Special Topics	1	Meerkov (control of manufacturing systems)		Gilchrist (multidisc MDE)		
500	Tutorial lec sys sci	1	Nadakuditi				
501	Prob&Random Proc	1	Pradhan	1	Anastasopoulos	I, II	
502	Stoch Processes			1	Teneketzis	II alt yrs	
503	Intro Num Em					I	
509	BioMEMS						
510	RF MEMS			1			
511	A/D Interfaces					II	
512	Amorph Sem			1	Kanicki	I	
513	Flat Pan Displ					II	
514	Advanced MEMS					II	
515	Integ Microsystems			1	Gianchandani	I	
517	Phys Proc in Plas	1	Kushner			II even	NERS 578
520	Solid State Physics	1	Zhong			II	
521	Solid State Devices			1	Lu	II	
522	Analog Integr Ckt			1	Wentzloff	II	
523	Digital Integ Tech	1	Lahiji			II	
525	Adv SS M-Wave Cir			1	Mortazawi	I	
528	M-Elec Proc Tech			1	Guo	II	
529	Semi Las & Leds	1	Bhattacharya			I	
530	Electromag Thry I	1	Sarabandi			I	APPPHYS 530
531	Antenna Thry&Des					II	
532	M-Wave Rem Sens I					I odd	AOSS 587

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533	Mw Meas Lab					II	
534	MW Device/IC					I odd	
535	Optical Info Proc.					I even	
536	Classical Stat'l Optics					I odd	
537	Classical Optics	1	Norris			I	APPPHYS 537
538	Opt Wave Crystals	1	Winful			I	APPPHYS 550, PHYSICS 650, PHYSICS 651, APPPHYS 540
539	Lasers			1	Galvanauskas	II	APPPHYS 541
540	Appl Quant Mech I	1	Ku			I	APPPHYS 540
541	Appl Qntm Mech II			1	Steel	II	APPPHYS 541
542	Vision Processing			1	Corso	alt yrs	
545	Machine Learning	1	Scott			II	
546	Ultrafast Optics			1	Norris	II	APPPHYS 546
550	Information Theory	1	Neuhoff			I	
551/453	Math Meth Sig Proc	1	Nadakuditi			I	
552	Fib Opt:Intrnt Biomed					II odd	APPPHYS 552
553	Thy Practice Data Comp					II odd	
554	Dig Comm&Codes	1	Anastasopoulos			I	
555	Digital Comm Thry			1	Stark	II	
556	Image Processing			1	Fessler	II	
557	Communication Net			1	Subramanian	I	
558	Stochastic Contrl	1	Teneketzi			I odd	
559	Advanced Signal Proc.					I	
560	Linear Systems	1	Gillespie (ME)	1	Girard (Aero)	I	AEROSP 550, MECHENG 564
562	NI Sys&Con			1	Grizzle	II	AEROSP 551
564	Estim, Filter&Detect			1	Balzano	II	
565	Lin Feedback Control			1	Freudenberg	II	AEROSP 580
566	Discrete Event Systems					I	
569	Prod Syst Eng			1	Meerkov	II alt yrs	
598	Special Topics in EECS	1	Ozay (hybrid systems)	1	Mathieu (electricity & markets)		
598	Special Topics in EECS	1	Hiskens (pow sys dyn &	1	Nadakuditi (random matrices)		
598	Special Topics in EECS	1	Corso (computer vision)	1	Kushner (plasma chemistry)		
598	Special Topics in EECS	1	Grbic (analytical modeling)	1	Zhong (carbon nanoelectr's & nanophotonics)		
598	Special Topics in EECS	1	Lee (plasmonics)	1	Forrest (organic electronics)		
598	Special Topics in EECS			1	Deotare		
598	Special Topics in EECS			1	Avestruz		
600	Func Meth Sys Thry					II	IOE 600
620	Elect Opt Semicon			1	Singh—class not offered	I	
627	VLSI Design II			1	Blaauw	II	
628	Adv Hi Perf VLSI					I alt yrs	
631	EM Scattering					alt yrs	
632	M-Wav Rem Sens II					II even	
633	Numerical Meth's EM			1	Tsang	alt yrs	
634	Nonlinear Optics			1	Winful	I	APPPHYS 611, PHYSICS 611 APPPHYS 609, PHYSICS 542
638	Quant Thy Light			1	someone from physics		
650	Chanel Coding Thry			1	Anastasopoulos—class not offered	II alt yrs	
659	Adapt Signal Proc					I odd	
662	Adv NI Cont					II	MECHENG 662
730	Spec'l topics EM			1	Sarabandi		
755	Spec'l topics Sig Proc						