

Department of Electrical and Computer Engineering Five Year Class Schedule											
*Mode of Delivery: L-Live, EO-Engineering Outreach, P-Pre-recorded, CV-Compressed video, W-WSU, N-NIC											
Course #	Description	2008 Fall	2009 Spring	2009 Fall	2010 Spring	2010 Fall	2011 Spring	2011 Fall	2012 Spring	2012 Fall	2013 Spring
Engr 240	Intro to Elect. Circuits	(L) Hass	(L) Egolf	(L) Elshabini	(L) Egolf	(L) Elshabini	(L) Egolf	(L) Elshabini	(L) Egolf	(L) Elshabini	(L) Egolf
ENGR 204/404	ST: NASA Space Elevator			(L) Johnson							
Engr 205	Near Space Engineering			(L) Atkinson							
ECE J404/J504	ST: Image Processing			(EO) Donohoe		(L) Donohoe		(L) Donohoe		(L) Donohoe	
ECE 101	Foundations of ECE		(L) Frenzel, K.		(L) Frenzel, K.		(L) Frenzel, K.		(L) Frenzel, K.		(L) Frenzel, K.
ECE 210	Electrical Circuits I	(L) Young, J.	(L) Frenzel, K.	(L) Frenzel, K.	(L) Frenzel, K.	(L) Frenzel, K.	(L) Young	(L) Frenzel, K.	(L) Frenzel, K.	(L) Frenzel, K.	(L) Young
ECE 212	Electrical Circuits II	(L) Frenzel, K.	(L) Noren	(L) Frenzel, K.	(L) Noren	(L) Frenzel, K.	(L) Frenzel, K.	(L) Frenzel, K.	(L) Noren	(L) Frenzel, K.	(L) Frenzel, K.
ECE 240	Digital Logic	(L) Frenzel, J.	(L) Frenzel, J.	(L) Frenzel, J.	(L) Donohoe	(L) Frenzel, J.	(L) Donohoe	(L) Frenzel, J.	(L) Donohoe	(L) Frenzel, J.	(L) Donohoe
ECE 292	Sophomore Seminar		(L) Atkinson		(L) Atkinson		(L) Atkinson		(L) Atkinson		(L) Atkinson
ECE 310	Fundamentals of Electronics	(L) Ay	(EO) Noren	(L) Noren	(L) Noren	(L) Noren	(L) Ay	(L) Ay	(L) Noren	(L) Ay	(L) Noren
ECE 320	Energy Systems I	(L) Hess	(L) Hess	(L) Law	(L) Hess	(L) Law	(L) Hess	(L) Hess	(L) Hess	(L) Law	(L) Hess
ECE 330	Electromagnetic Theory I	(EO) Atkinson	(L) Atkinson	(EO) Atkinson	(L) Atkinson	(EO) Atkinson	(L) Atkinson	(EO) Atkinson	(L) Atkinson	(EO) Atkinson	(L) Atkinson
ECE 340	Microcontrollers	(L) Wall	(L) Wall	(L) Wall	(L) Wall	(L) Wall	(L) Wall	(L) Wall	(L) Wall	(L) Wall	(L) Wall
ECE 350	Signal & Systems I	(EO) Frenzel, K.	(L) Staff	(L) Sullivan	(L) Sullivan	(L) Sullivan	(L) Sullivan	(L) Sullivan	(L) Sullivan	(L) Sullivan	(L) Sullivan
ECE 410	Advanced Electronics	(L) Noren	(L) Hass	(L) Ay	(EO) Ay	(L) Ay	(L) Noren	(L) Ay	(L) Ay	(L) Ay	(L) Ay
ECE 420	Energy Systems II		(EO) Law		(EO) Hess		(EO) Law		(EO) Hess		(EO) Law
ECE 430	Microwave & Millimeter Wave Circuits					(EO) Young			(EO) Young		
ECE 440	Digital Systems Engineering		(L) Frenzel, J.		(L) Frenzel, J.		(L) Frenzel, J.		(L) Frenzel, J.		(L) Frenzel, J.
ECE 450	Signals & Systems II	(EO) Wells		(EO) Wells		(EO) Wells		(EO) Wells		(EO) Wells	
ECE 460	Semiconductor Devices	(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow	
ECE 480/482	EE/CoE Senior Design I	(L) Donohoe	(L) Staff	(L) Donohoe	(L) Staff	(L) Staff	(L) Staff	(L) Donohoe	(L) Staff	(L) Staff	(L) Staff
ECE 481/483	EE/CoE Senior Design II	(L) Wagner	(L) Donohoe	(L) Hess	(L) Staff	(L) Staff	(L) Staff	(L) Hess	(L) Staff	(L) Staff	(L) Staff
ECE 491	Senior Seminar	(L) Atkinson		(L) Atkinson		(L) Atkinson		(L) Atkinson		(L) Atkinson	
Laboratories											
ECE 211	Electrical Circuits I Lab	(L) Conde Guerra	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 213	Electrical Circuits II Lab	(L) Swansn	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 241	Logic Circuit Lab	(L) Frenzel, J.	(L) Frenzel, J.	(L) Frenzel, J.	(L) Donohoe	(L) Frenzel, J.	(L) Donohoe	(L) Frenzel, J.	(L) Donohoe	(L) Frenzel, J.	(L) Donohoe
ECE 311	Fundamentals of Electronics Lab	(L) Ay & Alam	(L)	(L) Noren	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 321	Energy Systems I Lab	(L) Roy	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 331	Electromagnetics Theory I Lab	(L) Wagner	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 341	Microcontrollers Lab	(L) Huff	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 351	Signal & Systems I Lab	(L) Hill	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 411	Analog Electronics Lab		(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 425	Power Electronics Lab				(L) Barlow		(L) Barlow		(L) Barlow		(L) Barlow
ECE 429/WSU	Protective Relay Lab		(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)	(L)
ECE 398/598	Elec. Engr. Coop Intern.	(L) Noren	(L) Noren	(L) Noren	(L) Noren	(L) Noren	(L) Noren	(L) Noren	(L) Noren	(L) Noren	(L) Noren
Technical Electives											
ECE 412/512	Analog Filter Design	(EO) Noren				(EO) Noren				(EO) Noren	
ECE 413/513	Communication Circuits						(L) Ay				(L) Noren
ECE 415/515	Analog Integrated Circuit Design		(EO) Ay		(L) Ay		(L) Noren		(L) Ay		(L) Ay
ECE 416	Applic. Of Linear Integrated Circuits			(EO) Noren				(EO) Noren			
ECE 417/517	Pulse & Digital Circuits			(EO) Ay		(L) Ay		(EO) Noren		(EO) Noren	
ECE 418/518	Intro to Electronic Packaging	(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow	
ECE 421	Intro to Power Systems			(EO) Hess		(EO) Law		(EO) Johnson		(EO) Law	
ECE 422	Power Systems Analysis		(L) Hess		(EO) Law		(EO) Hess		(EO) Law		(EO) Hess
ECE 427	Power Electronics & Drives		(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow
ECE 432	Propagation of Wireless Signals	(EO) Atkinson			(EO) Atkinson			(EO) Atkinson			(EO) Atkinson
ECE 434	Antenna Principles & Design		(EO) Young				(EO) Atkinson		(EO) Young		

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ECE 441/541 (CS 451/551)	Advanced Computer Architecture	(EO) Rinker				(EO) Rinker				(EO) Rinker	
ECE 443	Distributive Processing & Control Networks	(L) Wall		(L) Wall		(L) Wall		(L) Wall		(L) Wall	
ECE 445	Intro to VLSI Design	(L) Frenzel, J.		(EO) Frenzel, J.		(L) Donohoe		(L) Frenzel, J.		(L) Donohoe	
ECE 449/549	Fault-Tolerant Systems										
ECE 451/551	Electroacoustic Sensors & Systems	(L) Egolf		(EO) Egolf		(EO) Egolf		(EO) Egolf		(EO) Egolf	
ECE 452	Communication Systems				(EO) Wells		(L) Egolf		(EO) Wells		(L) Egolf
ECE 453	Communication Systems Lab I										
ECE 455	Information & Coding Theory				(EO) Donohoe		(EO) Wells		(EO) Donohoe		(EO) Wells
ECE462/562	Semiconductor Theory		(EO) Sullivan		(EO) Sullivan		(EO) Sullivan		(EO) Sullivan		(EO) Sullivan
ECE 465/565	Intro to Microelectronics Fabrication		(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow
ECE 470	Control Systems	(L) Egolf		(EO) Egolf		(EO) Egolf		(EO) Egolf		(EO) Egolf	
ECE 471	Digital Control Systems		(L) Wall		(L) Wall		(L) Donohoe		(L) Wall		(L) Donohoe
ECE 476	Digital Filtering		(EO) Staff		(L) Egolf		(L) Wall		(L) Egolf		(L) Wall
ECE 477	Digital Process Control		(L) Edwards		(L) Staff		(L) Staff		(L) Staff		(L) Staff
ECE 499	Near Space Engineering			(L) Atkinson							
Graduate Courses											
ECE 502	DS: Near Space Engineering	(L) Atkinson	(L) Atkinson	(L) Atkinson							
ECE 512	Analog Filter Design	(EO) Noren				(EO) Noren				(EO) Noren	
ECE 513	Communication Circuits				(L) Staff		(L) Ay				(L) Ay
ECE 515	Analog Integrated Circuit Design		(EO) Ay		(L) Ay		(L) Noren		(L) Ay		(L) Ay
ECE 517	Pulse & Digital Circuits			(EO) Ay		(L) Ay		(L) Noren		(EO) Noren	
ECE 518	Intro to Electronic Packaging	(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow	
ECE 520	Advanced Electrical Machinery				(EO) Law				(EO) Law		
ECE 521	Power System Stability		(EO) Law				(EO) Law				(EO) Law
ECE 522	Induction Machines			(EO) Law				(EO) Law			
ECE 523	Symmetrical Components			(EO) Johnson				(EO) Law			
ECE 524	Transients in Power Systems				(EO) Johnson				(EO) Johnson		
ECE 525	Power System Protection & Relaying	(EO) Johnson				(EO) Johnson				(EO) Johnson	
ECE 526/EE 511	Protection of Power Systems II		(EO) Johnson			(EO) Johnson					(EO) Johnson
ECE 527	Dynamics & Control of AC Drives			(L) Hess		(EO) Hess				(EO) Hess	
ECE 528	Understanding Power Quality	(EO) Hess				(EO) Hess				(EO) Hess	
ECE 529	Utility Applications of Power Electronics		(EO) Johnson								(EO) Johnson
ECE 530	Advanced EM Theory I		(L) Young			(EO) Young			(EO) Young		
ECE 531	Advanced EM Theory II			(L) Young			(EO) Young			(EO) Young	
ECE 533/EE 527	Antenna Theory				(EO) Young			(EO) Young			(EO) Young
ECE 538	EM Simulation		(L) Sullivan								
ECE 539	Advanced Topics in EM										
ECE 540/EE 554	Asynchronous Circuit Design				(L) Frenzel, J.			(L) Frenzel, J.			
ECE 541	Advanced Computer Architectures	(EO) Rinker				(EO) Rinker					
ECE 542	Digital Systems Testing					(L) Frenzel, J.				(L) Frenzel, J.	
ECE 545	Advanced VLSI Design	(EO) Hass					(L) Frenzel, J.				(L) Frenzel, J.
ECE 549	Fault-Tolerant Systems										
ECE 551	Electroacoustic Sensors & Systems	(L) Egolf		(EO) Egolf		(EO) Egolf		(EO) Egolf		(EO) Egolf	
ECE 554	Theory of Error Correcting Codes					(EO) Wells				(EO) Wells	
ECE 555	Information Theory				(EO) Wells			(EO) Wells			
ECE 556	Adaptive Signal Processing			(EO) Wells				(EO) Wells			
ECE 557	Biological Signal Processing		(EO) Wells				(EO) Wells				(EO) Wells
ECE 559	Advanced Topics in Commun. Sys.										
ECE 562	Semiconductor Theory		(EO) Sullivan		(EO) Sullivan		(EO) Sullivan		(EO) Sullivan		(EO) Sullivan
ECE 565	Intro to Microelectronics Fabrication				(EO) Barlow		(EO) Barlow		(EO) Barlow		(EO) Barlow
ECE 570	Random Signals			(EO) Assefi				(EO) Assefi			
ECE 571/EE 508	Estimation Theory										
ECE 572	Linear System Theory	(EO) Assefi				(EO) Assefi				(EO) Assefi	
ECE 574/EE 502	Optimal Control Theory										

