

Electrical Engineering Historical Offerings:

This is a list of courses that were scheduled for online delivery over the last several years. The academic department determines which courses are scheduled for online delivery each semester. If you have questions about course availability, please [contact the department](#).

Course descriptions are available in the [University of Idaho General Catalog](#) and in the [EO course listings](#) if offered recently.

	ANALOG	F14	S15	F15	S16	F16	S17
ECE 210	Electrical Circuits I	x	x	x	x	x	x
ECE 211	Electrical Circuits I Lab	x	x	x	x	x	x
ECE 212	Electrical Circuits II	x	x	x	x	x	x
ECE 213	Electrical Circuits II Lab	x	x	x	x	x	
ECE 310	Microelectronics I (Fundamentals of Electronics)	x	x	x	x	x	x
ECE 311	Microelectronics I Lab (Fundamentals of Electronics Lab)	x	x	x	x	x	
ECE 319	Background Study in Electronics	x	x	x	x	x	
ECE 410	Microelectronics II (Advanced Electronics)	x	x	x	x		
ECE 4/515	Analog Integrated Circuit Design	x	x	x	x	x	x
ECE 4/517	Mixed Signal IC Design		x		x		x
ECE 4/518	Introduction to Electronic Packaging	x				x	
ECE 460	Semiconductor Devices	x		x			
ECE 4/562	Semiconductor Theory		x		x		
ECE 4/565	Introduction to Microelectronics Fabrication		x		x	x	
ECE 504-AC	Asynchronous Circuit Design				x		

	COMMUNICATION & CONTROL SYSTEMS	F14	S15	F15	S16	F16	S17
ECE 350	Signals and Systems I			x	x	x	
ECE 359	Background Study in Signals and Systems			x	x	x	x
ECE 4/504-PL	ST:PLL and High-Speed Link Design					x	
ECE 4/504-WC	ST: Wireless Communications and Networking				x		
ECE 4/513	Radio-Frequency IC Design	x					
ECE 419/516	Image Sensors and Systems		x		x		x
ECE 4/544	Supervisory Control and Critical Infrastructure Systems				x		
ECE 450	Signals and Systems II	x		x		x	
ECE 452	Communication Systems						x
ECE 476	Digital Filtering		x				
ECE 570	Random Signals		x	x			
ECE 572/ME 580	Linear System Theory	x					
ECE 579 ME 4/513	Engineering Acoustics	x		x-ME	x-ME	x-ME	x-ME

	DIGITAL	F14	S15	F15	S16	F16	S17
ECE 240	Digital Logic		x	x	x	x	
ECE 241	Logic Circuit Lab		x	x	x	x	
ECE 349	Background Study in Digital Logic	x	x	x	x	x	
ECE 440	Digital Systems Engineering		x		x		x
ECE 4/541 CS 4/551	Advanced Computer Architecture			x-CS		x-ECE	
ECE 445	Introduction to VLSI Design	x	x	x	x	x	
ECE/CS 4/549	Fault-Tolerant Systems	x					

	ELECTROMAGNETICS	F14	S15	F15	S16	F16	S17
ECE 330	Electromagnetic Theory	x	x	x	x	x	x
ECE 339	Background Study in Electromagnetic Theory	x	x	x	x		
ECE 4/504-CE	ST: Computational Electromagnetics		x				
ECE 430	Microwave and Millimeter Wave Circuits				x		x
ECE 432	Propagation of Wireless Signals	x	x	x		x	
ECE 434	Antenna Principles and Design		x	x	x		
ECE 531	Advanced Electromagnetic Theory II					x	
ECE 533	Antenna Theory	x					x

	POWER	F14	S15	F15	S16	F16	S17
ECE 329	Background Study in Energy Systems	x			x	x	
ECE 420	Energy Systems II		x		x		x
ECE 421	Introduction to Power Systems	x		x	x	x	
ECE 422	Power Systems Analysis		x		x		x
ECE 427	Power Electronics		x		x		x
ECE 521	Power System Stability				x		
ECE 522	Induction Machines			x			
ECE 523	Symmetrical Components			x			
ECE 525	Power System Protection and Relaying	x				x	
ECE 526	Protection of Power Systems II		x				x
ECE 528	Understanding Power Quality	x				x	
ECE 529	Utility Applications of Power Electronics		x				x

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