

Electrical & Computer Engineering Course Planning Guide 2007-2008

Electrical & Computer Engineering				
Course Title	Hrs	Fall	Winter	Spring
Digital Circuits	4	ECE 171	ECE 171*	ECE 171*
Electrical Eng Lab I	1	ECE 201	ECE 201	ECE 201
Electrical Eng Lab II	1		ECE 202	ECE 202
Electrical Eng Lab III	1	ECE 203		ECE 203
Electric Circuit I	4	ECE 221	ECE 221*	ECE 221*
Signals & Systems I	4		ECE 222	ECE 222*
Signals & Systems II	4	ECE 223*		ECE 223
Digital Systems	5		ECE 271	ECE 271*
Lab for ECE 271	0		ECE 271L	ECE 271L
Intro to EE (ME/CE majors)	5		ECE 241	
Electrical Eng Lab IV	1	ECE 301	ECE 301	ECE 301
Electrical Eng Lab V	1		ECE 302	ECE 302
Electrical Eng Lab IV	1	ECE 303		ECE 303*
Feedback & Control	5	ECE 311	ECE 311*	
Lab for ECE 311	0	ECE 311L	ECE 311L	
Electronics I	4	ECE 321	ECE 321*	
Electronics II	4		ECE 322	ECE 322*
Electronics III	4			ECE 323
Electromagnetic Principles	4		ECE 331	ECE 331*
Electromagnetic Systems	4			ECE 332
Intro Computer Hardware	4			ECE 341
HDL & Prototyping	4	ECE 351*		ECE 351
Microprocessors	4	ECE 371	ECE 371*	
MP Interfac/Embedded Sys	5		ECE 372	ECE 372*
Lab for ECE 372	0		ECE 372L	ECE 372L
EDGE I, II, III	4	ECE 4/510	ECE 4/510	ECE 4/510
Electronics Packaging	4	ECE 4/510		
Leakage in Nano CMOS Tech.	4			ECE 4/510
Nanoelectronics	4			ECE 4/510
Wireless Communications	4		ECE 4/510	
Industrial Design Methods	2	ECE 411		
Sr Project Development I	4		ECE 412	
Sr Project Development II	4			ECE 413
Fund Semicond Devices	4	ECE 4/515		
Integrated Circuit Tech	4			ECE 4/516
Linear Sys Analysis I	4	ECE 4/518		
Analog IC Design I, II	4	ECE 4/521	ECE 4/522	
Digital IC Design I, II	4	ECE 4/525	ECE 4/526	
VLSI Computer-Aided Des I	4	ECE 4/528		
Microwave Circuit Design I, II	4		ECE 4/531	ECE 4/532
Electric Energy Sys Des I, II	4	ECE 441	ECE 442	
Power Electrns Sys Des I,II	4		ECE 4/545	ECE 4/546
Control Systems Des I,II	4	ECE 4/551	ECE 4/552	
Neural Networks I,II	4		ECE 4/555	ECE 4/556
Communication Sys I,II	4		ECE 4/561	ECE 4/562
Digital Signal Processing	4	ECE 465		
Robotics I, II	4	ECE 4/578	ECE 4/579	
ASIC: Modeling/Synthesis	4	ECE 4/581		
Low Power IC Design	4			ECE 4/583
Microprocessor System Des	4		ECE 4/585	
Computer Architecture I	4			ECE 4/586
Seminar	1	ECE 507	ECE 507	ECE 507
Antenna Theory	4	ECE 510		
Distribution Sys Op Ctrl	4	ECE 510		

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Generation Op & Ctrl	4		ECE 510	
Intro to Computational Intelligence	4	ECE 510		
Transmission Op & Ctrl	4	ECE 510		
Bio-MEMS	4			ECE 5/610
Solid State Electronics I, II	4		ECE 5/611	ECE 5/612
VLSI Computer-Aided Des II	4			ECE 5/629
Advanced Electromagnetics	4		ECE 5/633	
Stat Signal Processing I, II	4			ECE 5/638
Genetic Algorithms	4			ECE 559
Signals & Noise	4	ECE 5/665		
Digital Signal Processing	4		ECE 5/666	
Stat Communication Theory	4			ECE 5/667
Advanced Image Processing	4	ECE 5/669		
Advanced Logic Synthesis	4	ECE 5/672		
Control Unit Design	4		ECE 5/673	
Formal Verification & Des	4		ECE 5/682	
Adv Computer Arch I, II	4	ECE 5/688		ECE 5/687
Dig Des w/ HW Desc Lang	4			ECE 5/690
Applied Optics [xlist w/ PH]	4			ECE 594
Intro Quantum Mechanics [xlist w/ PH]	4	ECE 598		
Energy System Capital Budgeting	4		ECE 610	
Sustainable Energy Systems	4			ECE 610
Electromag Fields/Inter [xlist w/ PH]	4	ECE 635	ECE 636	ECE 637

*Evening section(s) offered & on a CWW schedule.

Most 400 level and above classes are offered in the late afternoon and evening.

For detailed course offering schedules for 2007-2008, click on the appropriate term:

<http://www.ece.pdx.edu/Courses/Courses.html>

Please note: Classes must meet minimum enrollment numbers to be offered.