

EE Electives by Semesters Offered

10/25/2009

Semester	Course ID	Title	Pre-requisites
Summer	EE4271	VLSI Design	EE3130 (EE2171 or EE2173)
Fall	EE3190	Optical Sensing & Imaging	EE2190
	EE4221	Power System Analysis I	EE3120
	EE4231	Physical Electronics	EE3130
	EE4240	Intro to MEMS	Not FR,SO,JR
	EE4250	Communication Theory	EE3160 & (MA3720 or EE3180)
	EE4252	Digital Signal Processing & It's Applications	EE2150 EE3160
	EE4256	Fourier Optics	EE2190 or EE3140
	EE4261	Classical Control Systems	EE3160
	EE4271	VLSI Design	EE3130 (EE2171 or EE2173)
	EE4272	Computer Networks	EE2150 &(MA3710 or MA3720 or EE31
	EE4411	Engineering Electromagnetics	EE3140
	EE4732	Real Time System Design	EE3173 or CS4431 or EE4431
	EE4xxx	Power Electronics	Instructor Permission
EE4xxx	Power Electronics Lab	Instructor Permission	
Spring	EE2190	Intro to Photonics	MA3521/20 PH2200(Co-req)
	EE3221	Intro to Motor Drives	EE2110 or EE3010
	EE3291	Photonic Material and Devices	EE2190 or EE3140 or PH2400
	EE4222	Power Systems Analysis II	EE4221
	EE4226	Power Engineering Lab	EE4221 EE4222(Co-req)
	EE4232	Electronic Applications	EE3130
	EE4253	Real-time Signal Processing	EE4252
	EE4255	Wireless Communication	EE4250
	EE4258	Wireless Communication Lab	EE4250 EE4255(Co-req)
	EE4257	Digital Image Processing	EE major, SR standing
	EE4262	Digital & Non-linear Control	EE4261
	EE4290	Optical Communication	EE3291
	EE4441	The Laser	EE3140
	EE4723	Computer & Network Security	EE4272
	EE4735	Embedded System Programming using sensor networks & mobile robots	CS3421
	EE4751	Verilog HDL Design	EE2171 or EE2173
NOT EE Elective:	ENT3972	Electric Circuit Design & Fabrication	Instructor Permission; approved or free elective
Alternating Springs	EE4223	Power System Protection	EE4221 EE4222(Co-req)
	EE4224	Power System Protection Lab	EE4223(Co-req)
	EE4225	Distribution Engineering	EE4221
On Demand	EE4751	Verilog HDL Design	EE2171 or EE2173 Must not be FR,SO
On Demand	EE4800	Special Topics in Electrical Engineering	Instructor permission; see class schedules
On Demand	EE4870	Special Topics in Computer Engineering	Instructor permission; see class schedules

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Offered:

Odd Springs

Odd Springs

Even Springs