

**Directory of Classes**  
**Department of Electrical and Computer Engineering**  
**Western Michigan University**  
**Fall 2008**

**\*\*\*YOU MUST REGISTER FOR BOTH LAB AND LECTURE\*\*\***

<b>ECE 1000</b>			Fund Circ/Electronics				3.0
			Course prereq - Math 1110				
Lecture	41878	TR	1030-1120AM	CEAS D-109		Tanner	
Lab	41882	M	0130-0420PM	CEAS B-215	Wong		
	41883	W	1230-0320PM	CEAS B-215	Zhao		
	42589	M	0330-0620PM	CEAS B-215	Alsafasfeh		
	45783	W	0330-0620PM	CEAS B-215	Alsafasfeh		
	42590	W	0630-0920PM	CEAS B-215	Abu-Amara		
<b>ECE 1010</b>			Fund Electronics/Mach				3.0
			Course prereq - ECE 1000				
Lecture	42591	TR	0830-0920AM	CEAS D-115		Tanner	
Lab	42592	M	0630-0920PM	CEAS B-212	Wong		
	42593	R	1130-0220PM	CEAS B-212	Wong		
<b>ECE 2100</b>			Circuit Analysis				4.0
			Course prereq - Math 1230 and Phys 2070/2080 coreq				
Lecture	42594	MWF	0930-1020AM	CEAS D-109		Miller	
Lab	42595	T	0830-1120AM	CEAS B-215	Ellinger		
	42596	T	1130-0220PM	CEAS B-215	Ellinger		
	42597	R	1130-0220PM	CEAS B-215	Ellinger		
	42598	T	0230-0520PM	CEAS B-215	Stahl		
	42599	R	0630-0920PM	CEAS B-215	Stahl		
	42600	M	0630-0920PM	CEAS B-215	Stahl		
<b>ECE 2110</b>			Mach/Electronic Circuits				3.0
			Course prereq - ECE 2100				
Lecture	42601	TR	3:30-4:20PM	CEAS D-115		Tanner	
Lab	42602	R	0830-1120AM	CEAS B-212	Zyout		
	42603	T	1130-0220PM	CEAS B-212	Zyout		
	42604	R	0630-0920PM	CEAS B-212	Zyout		

<b>ECE 2210</b>	Electronics I					4.0
	Course prereq - ECE 2100 and Phys 2070/2080					
Lecture	42605	MWF	0830-0920AM	CEAS D-201	Dong	
Lab	42606	T	0230-0520PM	CEAS B-216	Zhao	
	42607	W	0630-0920PM	CEAS B-216	Zhao	
<b>ECE 2500</b>	Digital Logic					3.0
	Course prereq - Math 1110 or equivalent					
Lecture	42608	TR	0830-0920AM	CEAS D-109	Johnson	
Lab	42609	T	0930-1220PM	CEAS B-213	Narasimhan	
	42610	R	0930-1220PM	CEAS B-213	Krause	
	42611	T	1230-0320PM	CEAS B-213	Narasimhan	
	42612	T	0330-0620PM	CEAS B-213	Krause	
	46688	R	0330-0620PM	CEAS B-213	Venkataraman	
	42613	T	0630-0920PM	CEAS B-213	Krause	
	42614	W	0630-0920PM	CEAS B-213	Narasimhan	
<b>ECE 2510</b>	Intro to Microprocessors					4.0
	Course prereq - ECE 2500 and CS 1110					
Lecture	42615	TR	0830-0950AM	CEAS D-201	Atashbar	
Lab	44390	T	1030-0120PM	CEAS B-115	Cheng	
	42616	R	0230-0520PM	CEAS B-115	Cheng	
	42617	M	0430-0720PM	CEAS B-115	Cheng	
<b>ECE 3100</b>	Network Analysis					3.0
	Course prereq-ECE 2100 and Math 3740					
	42618	MWF	1030-1120AM	CEAS C-123	Abdel-Qader	
<b>ECE 3200</b>	Electronics II					4.0
	Course prereq - ECE 2210 and ECE 3100					
Lecture	42619	MWF	0230-0320PM	CEAS C-123	Gejji	
Lab	42621	R	0830-1120AM	CEAS B-216	Abu-Amara	
	42622	R	0230-0520PM	CEAS B-216	Abu-Amara	
<b>ECE 3300</b>	Electrical Machinery					4.0
	Course prereq - ECE 3100 and ECE 3610					
Lecture	42623	MWF	0130-0220PM	CEAS C-122	Halasa	
Lab	42625	T	0830-1120AM	CEAS B-212	Bujanovic	
	42626	T	0230-0520PM	CEAS B-212	Bujanovic	

<b>ECE 3510</b>			Engineering of Real-Time Systems Course prereq - ECE 2510 and CS 1120			3.0
	42627	MWF	0230-0320PM	CEAS E-121	Hardin	
<b>ECE 3550</b>			Digital Design Course Prereq - ECE 2500			3.0
Lecture	45798	MWF	1130-1220PM	CEAS C-122	Grantner	
Lab		W	0630-0920PM	CEAS B-214	Kannothra	
<b>ECE 3610</b>			Electromagnetic Fields Course Prereq - ECE 2100, Math 3740, and Phys 2070			4.0
	42629	MWRF	1130-1220PM	CEAS D-201	Halasa	
<b>ECE 3710</b>			Linear Systems Course prereq - ECE 3100			3.0
	42630	MWF	0830-0920AM	CEAS D-212	Johnson	
<b>ECE 3800</b>			Prob Sig & Sys Analy Course prereq - ECE 3100			3.0
	42631	MWF	0930-1020AM	CEAS D-204	Severance	
<b>ECE 4200/5950</b>			Power Electronics Course prereq - ECE 2500, ECE 3200 and ECE 3300			3.0
	42648	MWF	0930-1020AM	CEAS D-212	Asumadu	
<b>ECE 4510/5530</b>			Microcontroller Applications Course Prereq - ECE 2210 and ECE 2510			4.0
Lecture	45790	MWF	0330-0420PM	CEAS C-123	Grantner	
Lab	42662	R	0830-1120AM	CEAS B-214	Dai	
	42663	T	0630-0920PM	CEAS B-214	Dai	
<b>ECE 4600/5950</b>			Communication Systems Course Prereq - ECE 3800			3.0
	42728	MWF	1030-1120AM	CEAS D-202	Bazuin	
<b>ECE 4710</b>			Motion and Control Course Prereq - ME 3600 or ECE 3710			3.0
	42768	MW	0430-0520PM	CEAS G-113	Kamman	
		T	0230-0530PM	CEAS G-113		

<b>ECE 4810</b>			Electr/Comp Engrg Design I			2.0
			Course prereq - IME 3160; consent of Department Chair			
	42747	MF	0430-0520PM	CEAS C-136	Miller	
		W	0430-0545PM	CEAS C-136		
<b>ECE 4820</b>			Electr/Comp Engrg Design II			3.0
			Course prereq - ECE 4810; consent of Department Chair			
	42763	R	0430-0545PM	CEAS C-136	Gesink	
<b>ECE 4900</b>			Independent Research			1.0 to 4.0
			Junior or Senior Status			
			Must obtain call number from Department Office			
	*****		Hours arranged		Gesink	
<b>ECE 5450</b>			Micro ElecMech Sys.			3.0
			Course prereq - ECE 2210, 3200, senior or graduate standing			
	45801	W	0630-0920PM	CEAS D-205	Atashbar	
<b>ECE 5510</b>			Application Specific Integrated Circuit Design			3.0
			Course Prereq - ECE 4500 and ECE 3550			
	45795	TR	0430-0610PM	CEAS C-122	Dong	
<b>ECE 5530/4510</b>			Microcontroller Applications			3.0
			Course Prereq - ECE 2210, ECE 2510			
	45797	MWF	0330-0420PM	CEAS C-123	Grantner	
Lab	46071	R	0830-1120AM	CEAS B-214	Dai	
	46070	T	0630-0920PM	CEAS B-214	Dai	
<b>ECE 5550</b>			Adv Dig Sign Proc			3.0
			Course Prereq - ECE 4550			
	42783	MWF	0130-0220PM	CEAS D-206	Gejji	
<b>ECE 5800</b>			System Modeling/Simulation			3.0
			Course prereq - ECE 3710, ECE 3800 or equivalent			
	45961	MWF	1230-0120PM	CEAS C-124	Severance	
<b>ECE 5950/4200</b>			Power Electronics			3.0
			Course prereq - ECE 2500, ECE 3200, ECE 3300			
	42652	MWF	0930-1020AM	CEAS D-212	Asumadu	

<b>ECE 5950/4600</b>	Communication Systems Course Prereq - ECE 3800				3.0
42736	MWF	1030-1120AM	CEAS D-202	Bazuin	
<b>ECE 6500</b>	Advanced Computer Architecture Course prereq - ECE 3550 and ECE 3570				3.0
45804	W	0630-0910PM	CEAS C-136	Bazuin	
<b>ECE 6720</b>	Fuzzy Control Systems Course prereq - ECE 3550 & ECE 3710				4.0
45805	T	0630-0950PM	CEAS C-136	Grantner	
<b>ECE 6900</b>	Computer Engineering Seminar Course prereq - Graduate Standing in Computer Engineering				1.0
42802	M	0530-0620PM	CEAS C-136	Dawson	
<b>ECE 6950</b>	Advanced Medical Imaging and Systems Course Prereq- Consent of Instructor				3.0
42801	T	0130-0410PM	CEAS D-202	Abdel-Qader	
<b>ECE 6950</b>	Mobile Communications Course prereq - Consent of instructor				3.0
45809	R	0630-0910PM	CEAS C-136	Gejji	
<b>ECE 6950</b>	Transmission Systems Control Course prereq - Consent of instructor				3.0
46465	M	0630PM-0910PM	CEAS D-212	Asumadu	
<b>ECE 6970</b>	Problems - Elec/Comp Engr Must obtain call number from Department Office Prior Departmental approval required				1.0 to 6.0
*****		Hours arranged		Gesink	
<b>ECE 6990</b>	Practical Training Must obtain call number from Department Office Prior Departmental approval required				1.0 to 6.0
*****		Hours arranged		Gesink	

<b>ECE 7000</b>	Master's Thesis Must obtain call number from Department Office Approved application required C/NC Only-permission from the Department and the Graduate College required to enroll	1.0 to 6.0
*****	Hours arranged	Gesink
<b>ECE 7100</b>	Independent Research Must obtain call number from Department Office Approved application required C/NC Only-permission from the Department and the Graduate College required to enroll	2.0 to 6.0
*****	Hours arranged	Gesink
<b>ECE 7300</b>	Doctoral Dissertation Must obtain call number from Department Office Approved application required C/NC Only-permission from the Department and the Graduate College required to enroll	1.0 to 15.0
*****	Hours arranged	Gesink

**Undergraduate Advising**

276-3270

**Graduate Advisors**

John Gesink