

Table I-2. Course and Section Size Summary

Electrical Engineering

Course No.	Title	No. of Sections offered in Current Year	Avg. Section Enrollment	Type of Class ¹			
				Lecture	Laboratory	Recitation	Other
EE 101	Basic Electronics	1	73	75%	25%		
EE 202	Circuit Analysis I	2	119	75%		25%	
EE 203	Circuit Analysis II	2	87	75%		25%	
EE 303	Signal Analysis and Transform Methods	2	82	75%		25%	
EE 310	Electronic Devices and Circuits I	1	176	75%		25%	
EE 311	Electronic Devices and Circuits II	1	180	75%		25%	
EE 324	Applied Electromagnetics	2	85	75%		25%	
EE 352	Introduction to Electronics Lab	1	107	33 1/3 %	66 2/3 %		
EE 353	Electronic Circuits Lab	1	112	33 1/3 %	66 2/3 %		
EE 378	Digital Principles	1	177	100%			
EE 401	RF and Microwave Circuits I	1	8D/10E	100%			
EE 403	Introduction to Plasma	1	12	75%		25%	
EE 408	Senior Seminar	1	129	100%			
EE 410	Electronic Instrument Design	1	32	75%		25%	
EE 416	Signal Processing Algorithms	1	20	75%		25%	
EE 419	Industrial Control Systems	1	21	75%		25%	
EE 425	Electronic Devices I	1	42	75%		25%	
EE 435	Java Applet Modeling	1	1	100%			
EE 437	EE Co-Op (Spring)	3	4				100%
EE 439	EE Internship (Fall)	1	2				100%
EE 441	Microelectromechanical Systems	1	6	100%			
EE 448	Microelectronic Devices	2	23	100%			
EE 449	Analog Integrated Circuits	1	7	100%			

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EE 453	Microelectronic Fabrication	1	3	25%	75%		
EE 455	Photonic Devices	1	14	100%			
EE 456	Microwave Theory	1	1	75%		25%	
EE 458	Microwave Lab	1	2		50%	50%	
EE 459	Topics In Fourier Transforms (Fall)	1	1	100%			
EE 459	Nanostructure Mechanics (Spring)	1	3	100%			
EE 460	Special Topics	1	10	100%			
EE 462	Principles of Medical and Radar Imaging	1	6	100%			
EE 480	Biomedical Electronics	1	53	100%			
EE 482	Power Engineering I	1	22	75%	25%		
EE 483	Communication Systems I	1	38	75%		25%	
EE 484	Communication Systems II	1	26	75%		25%	
EE 492	Lasers and Photonics	1	14	85%	15%		
EE 494	Consumer Optoelectronics	1	5	85%	15%		
EE 499	Independent Study	7	18				100%
EAS 140	Engineering Solutions	4	90	75%	25%		
EAS 200	EE Concepts for Non-majors	1	108	75%	25%		
EAS 204	Thermodynamics	3	91	75%	25%		
EAS 207	Statics	3	136	75%	25%		

EAS 230	Higher Level Language	4	90	75%	25%		
EAS 305	Applied Probability and Stats	2	77	75%		25%	

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EAS 451	Modern Method of Engineering Computation	1	26	100%			
EAS 480	Technical Communications	4	19	100%			
EAS 483	Engineering Procedure Writing	1	11	100%			
CSE 379	Introduction to Microprocessors and Microcomputers	1	156	100%			
CSE 380	Intro to Microprocessors Lab	1	162		100%		
CHE 107	General Chemistry for Engineers I	1	203	75%	15%	10%	
CHE 108	General Chemistry for Engineers II	1	114	75%	15%	10%	
MTH 141	College Calculus I	22	44	75%	25%		
MTH 142	College Calculus II	19	44	75%	25%		
MTH 241	College Calculus III	11	49	75%	25%		

MTH 306	Intro to Differential Equations	10	44	75%	25%		
PHY 107	General Physics I	4	153	75%		25%	
PHY 108/15 8	General Physics II	4	119	75%	15%	10%	
PHY 207	General Physics III	2	98	75%	25%		

Table I-3. Faculty Workload Summary **Electrical Engineering**

Faculty Member (Name)	FT or PT (%)	Classes Taught (Course No./Credit Hrs.) Fall and Spring 2001-2002	Total Activity Distribution		
			Teaching	Research	Other
Wayne Anderson	FT	EE 455 (3); EE 555 (3); EE 353 (3); EE453(3); EE 553 (3)	50	50	0
Stella Batalama	FT	EE 483 (4); EE 573(3) ; EE 538(3)	45	50	5
Khadija Bargach	25	EE 324 (4)	100	0	0
Alexander Cartwright	FT	EE 492 (3); EE 566 (3); EE 494 (3); EE 594 (3)	40	40	20
Ping-Chin Cheng	FT	EE 408 (1); EE 448 (3); EE 480 (3); EE 580 (3)	60	40	0
Kasra Etemadi	FT	EE 352 (3); EE 312 (2); EE 403 (3); EE 503 (3)	100	0	0
Adly Fam	FT	EE 416 (3); EE 516 (3); EAS 305 (3)	50	30	20
Marlin Gilette	25	EE 401 (3); EE 569 (3); EE 456 (3); EE 574 (3)	100	0	0
Donald Givone	FT	EE 378 (3); EE 577 (3); EAS 200 (3)	80	0	20
Raj Kaul	FT	EE 459 (3); EE 500 (3); EE 303 (4)	10	40	50
Lisimachos Kondi	FT	EE 606 (3); EE 202 (4)	45	50	5
Pao-Lo Liu	FT				Sabbatical
Dennis Malone	FT	EE 324 (3); EAS 200 (3)	30	5	65
Dimitris Pados	FT	EE 203 (4); EE 484 (3); EE 634 (3)	45	50	5
Mohammed Safiuddin	80	EE 419 (3); EE 519 (3); EAS 200 (3)	80	10	10
W. James Sarjeant	FT	EAS 140 (3); EE 605 (3); EE 460 (3); EE 583 (3)	20	60	20

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Table I-3. Faculty Workload Summary BSEE Program

Faculty Member (Name)	FT or PT (%)	Classes Taught (Course No./Credit Hrs.) Fall and Spring 2001-2002	Total Activity Distribution		
			Teaching	Research	Other
John Schneider	25	EE 202 (4)	100	0	0
David Shaw	FT	EE 441 (3); EE 541 (3); EE 459 (3); EE 522 (3)	30	40	30
Mehrdad Soumekh	FT	EE 303 (4); EE 631 (3); EE 462 (3); EE 562 (3)	40	40	20
Albert Titus	FT	EE 598 (3); EE 101 (3)	30	50	20
James Whalen	FT	EE 311 (3); EE439 (4); EE 458 (2)	30	20	50
Chu Wie	FT	EE 310 (3); EE 449 (3); EE 435 (3); EE 535 (3)	30	50	20
Darold Wobschall ⁴	30	EE 410 (4); EE 510 (4); EE 514 (3)	100	0	0
Jennifer Zirnheld	25	EE 482 (3); EE 582 (3); EE 425 (3); EE 505 (3)	80	20	0

Table I-4. Faculty Analysis

Electrical Engineering

Name	Rank	FT or PT	Highest Degree	Institution from which Highest Degree Earned & Year	Years of Experience			State in which Registered	Level of Activity (high, med, low, none)		
					Govt./ Industry Practice	Total Faculty	This Institution		Professional Society (Indicate Society)	Research	Consulting /Summer Work in Industry
Wayne Anderson	P	FT	Ph.D	Univ. at Buffalo 1970	17	36	28	none	low	high	low
Stella Batalama	AP	FT	Ph.D	Univ. of Virginia 1994	0	7.5	7.5	none	med	high	med
Khadija Bargach	I	PT	Ph.D	Abdelmalek Essardi Univ. 2001	0	1	1	none	low	med	low
Alexander Cartwright	AP	FT	Ph.D	Univ. of Iowa 1995	0	7	7	none	med	high	high
Ping-Chin Cheng	P	FT	Ph.D	Univ. of Illinois 1985	15	15	15	none	med	med	low
Kasra Etemadi	AP	FT	Ph.D	Univ. of Minnesota 1982	14	18	18	none	low	low	med
Adly Fam	P	FT	Ph.D	Univ. Cal- Irvine 1977	17	25	25	none	med	none	med
Marlin Gillette	I	PT	Ph.D	SUNY Buffalo 1973	42	17	17	none	med	med	med
Donald Givone	P	FT	Ph.D	Cornell Univ. 1963	0	39	39	none	low	none	med
Douglas Hopkins	I	PT	Ph.D	Virginia Tech. 1989	0	13	2	none	med	med	med
Raj Kaul	P	FT	Ph.D	Columbia Univ. 1964	0	38	34	none	low	med	low
Lisimachos Kondi	aP	FT	Ph.D	Northwestern Univ 1999	0	2	2	none	med	med	med

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					Govt./ Industry Practice	Total Faculty	This Institution		Professional Society (Indicate Society)	Research	Consulting/Summer Work in Industry
Pao-Lo Liu	P	FT	Ph.D	Harvard Univ. 1979	17	17	17	none	low	med	med
Dennis Malone	P	FT	Ph.D	Yale Univ. 1960	9	36	36	none	low	high	low
Dimitris Pados	aP	FT	Ph.D	Univ. of Virginia 1994	0	6	6	none	med	high	high
Mohammed Safiuddin	ATAP	PT	Ph.D	SUNY Buffalo 1982	42	25	25	none	med	med	high
W. James Sarjeant	P	FT	Ph.D	Univ. of Western Ontario, 1971	9	21	21	Ontario, Canada	high	high	high
John Schneider	I	PT	Ph.D	SUNY Buffalo 1990	12	2	2	none	med	high	high
David Shaw	P	FT	Ph.D	Purdue Univ. 1964	0	37	37	none	med	high	high
Mehrdad Soumekh	P	FT	Ph.D	Univ. Minnesota 1983	10	18	13	none	low	high	high
Albert Titus	aP	FT	Ph.D	Georgia Ins. Tech. 1997	0	5	1	none	med	high	high
James Whalen	P	FT	Ph.D	John Hopkins Univ. 1969	4	32	32	none	med	med	high
Chu Ryang Wie	P	FT	Ph.D	Cal. Inst. Of Tech. 1985	0	17	17	none	med	high	low
Darold Wobschall	AP-E	PT	Ph.D	SUNY Buffalo 1966	20	34	34	none	med	high	med

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					Govt./ Industry Practice	Total Faculty	This Institution		Professional Society (Indicate Society)	Research	Consulting/Summer Work in Industry
Jennifer Zirnheld	I	PT	M. S.	SUNY Buffalo (doct. cand.)	0	5	5	none	low	med	med