

Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.123	1	Computational Modeling for Electrical and	MW	3:00PM	4:15PM	Lecture	Shaffer	2	Dehak, Najim
EN.520.123	1	Computational Modeling for Electrical and	T	1:30PM	3:00PM	Lab	Maryland	109	Dehak, Najim
EN.520.123	2	Computational Modeling for Electrical and	MW	3:00PM	4:15PM	Lecture	Shaffer	2	Dehak, Najim
EN.520.123	2	Computational Modeling for Electrical and	T	1:30PM	3:00PM	Lab	Maryland	109	Dehak, Najim
EN.520.123	3	Computational Modeling for Electrical and	MW	3:00PM	4:15PM	Lecture	Shaffer	2	Dehak, Najim
EN.520.123	3	Computational Modeling for Electrical and	T	1:30PM	3:00PM	Lab	Maryland	109	Dehak, Najim
EN.520.142	1	Digital Systems Fundamentals	MWF	11:00AM	11:50AM	Lecture	Hackerman	B 17	Soyata, Tolga
EN.520.150	1	Light, Image and Vision	TTh	10:30AM	11:45AM	Lecture	Barton	120	Kang, Jin
EN.520.212	1	ECE Engineering Team Project (Freshmen	Th	4:30PM	5:45PM	Lecture	Barton	120	Ramesh, Sathappan
EN.520.212	2	ECE Engineering Team Project (Freshmen	Th	4:30PM	5:45PM	Lecture	Barton	120	Ramesh, Sathappan
EN.520.212	3	ECE Engineering Team Project (Freshmen	Th	4:30PM	5:45PM	Lecture	Barton	120	Ramesh, Sathappan
EN.520.214	1	Signals & Systems	M	3:00PM	4:00PM	Section	Mattin	162	Elhilali, Mounya
EN.520.214	1	Signals & Systems	TTh	1:30PM	2:45PM	Lecture	Gilman	50	Elhilali, Mounya
EN.520.214	2	Signals & Systems	TTh	1:30PM	2:45PM	Lecture	Gilman	50	Elhilali, Mounya
EN.520.214	2	Signals & Systems	W	4:30PM	5:30PM	Section	Maryland	104	Elhilali, Mounya
EN.520.214	3	Signals & Systems	T	5:00PM	6:00PM	Section	Krieger	306	Elhilali, Mounya
EN.520.214	3	Signals & Systems	TTh	1:30PM	2:45PM	Lecture	Gilman	50	Elhilali, Mounya
EN.520.216	1	Introduction To VLSI	MW	3:00PM	4:15PM	Lecture	Maryland	104	Etienne Cummings,
EN.520.220	1	Electromagnetic Waves	MW	12:00PM	1:15PM	Lecture	Barton	123	Foster, Mark
EN.520.230	1	Mastering Electronics	MW	9:00AM	9:50AM	Lecture	Shaffer	202	Soyata, Tolga
EN.520.231	2	Mastering Electronics	W	1:00PM	2:55PM	Lab	Barton	120	Soyata, Tolga
EN.520.251	1	Leading Innovation Design Team	Th	10:30AM	11:20AM	Lecture	Shaffer	202	Rizk, Charbel
EN.520.302	1	Internet of Things Project Lab	Th	1:30PM	4:20PM	Lab	Barton	123	Glaser, Robert
EN.520.302	1	Internet of Things Project Lab	Th	9:00AM	10:20AM	Lecture	Croft	B32	Glaser, Robert
EN.520.353	1	Control Systems	F	1:30PM	2:45PM	Section	Hodson	203	Mallada Garcia,
EN.520.353	1	Control Systems	MW	1:30PM	2:45PM	Lecture	Hodson	203	Mallada Garcia,
EN.520.385	1	Signals, Systems, & Learning	TTh	10:30AM	11:45AM	Lecture	Maryland	201	Venkataraman,
EN.520.415	1	Image Process & Analysis II	MW	4:30PM	5:45PM	Lecture	Shaffer	100	Goutsias, John
EN.520.417	1	Computation for Engineers	TTh	1:30PM	2:45PM	Lecture	Shaffer	2	Weinert, Howard
Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.433	1	Medical Image Analysis	WF	12:00PM	1:15PM	Lecture	Gilman	132	Prince, Jerry
EN.520.438	1	Deep Learning	TTh	9:00AM	10:15AM	Lecture	Gilman	119	Patel, Vishal

EN.520.448	1	Electronics Design Lab	F	1:30PM	4:20PM	Lab	Barton	123	Etienne Cummings, R. Pouliquen, P.
EN.520.448	1	Electronics Design Lab	W	4:30PM	5:30PM	Lecture	Shaffer	202	Etienne Cummings, R. Pouliquen, P.
EN.520.450	1	Advanced Micro-Processor Lab	Th	8:00AM	8:50AM	Lecture	Hodson	311	Glaser, Robert
EN.520.450	1	Advanced Micro-Processor Lab	Th	10:30AM	1:20PM	Lab	Barton	123	Glaser, Robert
EN.520.450	2	Advanced Micro-Processor Lab	Th	1:30PM	4:20PM	Lab	Barton	123	Glaser, Robert
EN.520.450	2	Advanced Micro-Processor Lab	Th	8:00AM	8:50AM	Lecture	Hodson	311	Glaser, Robert
EN.520.453	1	Advanced ECE Engineering Team Project	Th	4:30PM	5:45PM	Lecture	Barton	120	Ramesh, Sathappan
EN.520.453	2	Advanced ECE Engineering Team Project	Th	4:30PM	5:45PM	Lecture	Barton	120	Ramesh, Sathappan
EN.520.453	3	Advanced ECE Engineering Team Project	Th	4:30PM	5:45PM	Lecture	Barton	120	Ramesh, Sathappan
EN.520.463	1	Leading Innovation Design Team	Th	10:30AM	11:20AM	Lecture	Shaffer	202	Rizk, Charbel
EN.520.471	1	Speech Technologies Reading Group	M	10:00AM	11:30AM	Lecture	Barton	225	Dehak, N., Garcia Perera, L.
EN.520.482	1	Introduction To Lasers	MW	12:00PM	1:15PM	Lecture	Shaffer	202	Khurgin, Jacob
EN.520.483	1	Bio-Photonics Laboratory	T	1:30PM	4:50PM	Lab	Barton	120	Kang, Jin
EN.520.485	1	Advanced Semiconductor Devices	MW	1:30PM	2:45PM	Lecture	Shaffer	202	Khurgin, Jacob
EN.520.492	1	Mixed-Mode VLSI Systems	T/Th	4:30PM	5:45PM	Lecture	Wyman	G 42A	Pouliquen, Philippe
EN.520.504	1	Independent Study - Juniors/Seniors	None						Davidson, Frederic
EN.520.504	2	Independent Study - Juniors/Seniors	None						Etienne Cummings,
EN.520.504	4	Independent Study - Juniors/Seniors	None						Iglesias, Pablo
EN.520.504	6	Independent Study - Juniors/Seniors	None						Rizk, Charbel
EN.520.504	7	Independent Study - Juniors/Seniors	None						Dehak, Najim
EN.520.504	9	Independent Study - Juniors/Seniors	None						Andreou, Andreas
EN.520.504	10	Independent Study - Juniors/Seniors	None						Kang, Jin
EN.520.504	11	Independent Study - Juniors/Seniors	None						Prince, Jerry
EN.520.504	12	Independent Study - Juniors/Seniors	None						Bell, Muyinatu
Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.504	13	Independent Study - Juniors/Seniors	None						West, James
EN.520.504	14	Independent Study - Juniors/Seniors	None						Cooper, Alexander
EN.520.504	15	Independent Study - Juniors/Seniors	None						Elhilali, Mounya
EN.520.504	16	Independent Study - Juniors/Seniors	None						Foster, Mark
EN.520.506	1	ECE Undergraduate Research	None						Iglesias, Pablo
EN.520.506	2	ECE Undergraduate Research	None						Davidson, Frederic

EN.520.506	3	ECE Undergraduate Research	None						West, James
EN.520.506	4	ECE Undergraduate Research	None						Foster, Mark
EN.520.506	5	ECE Undergraduate Research	None						Mallada Garcia,
EN.520.506	6	ECE Undergraduate Research	None						Bell, Muyinatu
EN.520.506	7	ECE Undergraduate Research	None						Etienne Cummings,
EN.520.506	8	ECE Undergraduate Research	None						Foster, Amy
EN.520.506	9	ECE Undergraduate Research	None						Venkataraman,
EN.520.506	10	ECE Undergraduate Research	None						Dehak, Najim
EN.520.506	11	ECE Undergraduate Research	None						Rizk, Charbel
EN.520.506	12	ECE Undergraduate Research	None						
EN.520.506	13	ECE Undergraduate Research	None						Prince, Jerry
EN.520.506	14	ECE Undergraduate Research	None						Andreou, Andreas
EN.520.506	15	ECE Undergraduate Research	None						Cooper, Alexander
EN.520.516	1	ECE Group Undergraduate Research	None			Lecture			Kang, Jin
EN.520.516	3	ECE Group Undergraduate Research	None			Lecture			Foster, Mark
EN.520.516	4	ECE Group Undergraduate Research	None			Lecture			Thon, Susanna
EN.520.516	5	ECE Group Undergraduate Research	None			Lecture			Prince, Jerry
EN.520.516	6	ECE Group Undergraduate Research	None			Lecture			Etienne Cummings,
EN.520.600	1	Electrical & Computer Engineering	Th	3:00PM	4:15PM	Seminar	Hackerman	B 17	Iglesias, Pablo
EN.520.615	1	Image Processing & Analysis II	MW	4:30PM	5:45PM	Lecture	Shaffer	100	Goutsias, John
EN.520.617	1	Computation for Engineers	TTh	1:30PM	2:45PM	Lecture	Shaffer	2	Weinert, Howard
EN.520.623	1	Medical Image Analysis	WF	12:00PM	1:15PM	Lecture	Gilman	132	Prince, Jerry
Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.624	1	Integrated Photonics	TTh	1:30PM	2:45PM	Lecture	Smokler	Library	Foster, Amy
EN.520.627	1	Photovoltaics and Energy Devices	TTh	9:00AM	10:15AM	Lecture	Hodson	216	Thon, Susanna
EN.520.631	1	Ultrasound and Photoacoustic	TTh	10:30AM	11:45AM	Lecture	Hackerman	320	Bell, Muyinatu
EN.520.633	1	Intro To Robust Control	MW	1:30PM	2:45PM	Lecture	Gilman	413	Iglesias, Pablo
EN.520.638	1	Deep Learning	TTh	9:00AM	10:15AM	Lecture	Gilman	119	Patel, Vishal
EN.520.648	1	Compressed Sensing and Sparse Recovery	TTh	1:30PM	2:45PM	Lecture	Shaffer	202	Tran, Trac Duy
EN.520.649	1	Introduction to Radar Systems	MW	3:00PM	4:15PM	Lecture	Gilman	377	Montlouis, Webert
EN.520.652	1	Filtering and Smoothing	TTh	10:30AM	11:45AM	Lecture	Shriver Hall	001	Weinert, Howard
EN.520.663	1	Leading Innovation Design Team	Th	10:30AM	11:20AM	Lecture	Shaffer	202	Rizk, Charbel
EN.520.666	1	Information Extraction	TTh	4:15PM	5:30PM	Lecture	Shaffer	302	Watanabe, Shinji

EN.520.671	1	Speech Technologies Reading Group	F	10:00AM	11:00AM	Lecture	Barton	225	Dehak, N., Garcia Perera, L.
EN.520.680	1	Speech and Auditory Processing by	TTh	10:30AM	11:45AM	Lecture	Shaffer	302	Hermansky, Hynek
EN.520.682	1	Introduction to Lasers	MW	12:00PM	1:15PM	Lecture	Shaffer	202	Khurgin, Jacob
EN.520.683	1	Bio-Photonics Laboratory	T	1:30PM	4:50PM	Lecture	Barton	120	Kang, Jin
EN.520.685	1	Advanced Semiconductor Devices	MW	1:30PM	2:45PM	Lecture	Shaffer	202	Khurgin, Jacob
EN.520.692	1	Mixed-Mode VLSI Systems	TBA			Lecture	Wyman	G42A	Pouliquen, Philippe
EN.520.700	5	Masters Research	None			Lecture			Mallada Garcia,
EN.520.700	7	Masters Research	None			Lecture			Etienne Cummings,
EN.520.700	9	Masters Research	None			Lecture			Boctor, Emad
EN.520.702	1	Current Topics in Language and Speech	MF	12:00PM	1:15PM	Lecture	Hackerman	B 17	Trmal, Jan
EN.520.738	1	Advanced Electronic Lab Design	F	1:30PM	4:20PM	Lab	Barton	123	Staff
EN.520.738	1	Advanced Electronic Lab Design	W	4:30PM	5:30PM	Lecture	Shaffer	202	Staff
EN.520.746	1	Seminar: Medical Image Analysis	T	3:00PM	4:30PM	Lecture	Shaffer	300	Prince, Jerry
EN.520.774	1	Advanced Topics in Electrical and	MW	4:15PM	5:30PM	Lab			Montlouis, Webert
EN.520.800	1	Independent Study	None						Patel, Vishal
EN.520.800	2	Independent Study	None						Andreou, Andreas
EN.520.800	3	Independent Study	None						Goutsias, John
EN.520.800	4	Independent Study	None						Tran, Trac Duy
Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.800	5	Independent Study	None						Etienne Cummings,
EN.520.800	6	Independent Study	None						Miller, Michael
EN.520.800	7	Independent Study	None						Iglesias, Pablo
EN.520.800	8	Independent Study	None						Davidson, Frederic
EN.520.800	9	Independent Study	None						Kang, Jin
EN.520.800	10	Independent Study	None						Khurgin, Jacob
EN.520.800	11	Independent Study	None						Meyer, Gerard
EN.520.800	12	Independent Study	None						Prince, Jerry
EN.520.800	13	Independent Study	None						Khudanpur, Sanjeev
EN.520.800	14	Independent Study	None						Staff
EN.520.800	15	Independent Study	None						Li, Xingde
EN.520.800	16	Independent Study	None						Staff
EN.520.800	17	Independent Study	None						Staff
EN.520.800	18	Independent Study	None						Staff

EN.520.800	19	Independent Study	None						Staff
EN.520.800	20	Independent Study	None						Cooper, Alexander
EN.520.800	21	Independent Study	None						Staff
EN.520.800	22	Independent Study	None						Geman, Donald
EN.520.800	23	Independent Study	None						Yarowsky, David
EN.520.800	24	Independent Study	None						Atalar, Ergin
EN.520.800	25	Independent Study	None						Glaser, Robert
EN.520.800	26	Independent Study	None						Tsui, Benjamin
EN.520.800	27	Independent Study	None						West, James
EN.520.800	28	Independent Study	None						Staff
EN.520.800	29	Independent Study	None						Bottomley, Paul
EN.520.800	30	Independent Study	None						Thakor, Nitish
EN.520.800	31	Independent Study	None						Van Zijl, Peter
EN.520.800	32	Independent Study	None						Vidal, Rene
EN.520.800	33	Independent Study	None						Elhilali, Mounya
Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.800	34	Independent Study	None						Tarraf, Danielle
EN.520.800	35	Independent Study	None						Hermansky, Hynek
EN.520.800	36	Independent Study	None						Thomas, Michael
EN.520.800	37	Independent Study	None						Staff
EN.520.800	38	Independent Study	None						Sova, Raymond
EN.520.800	39	Independent Study	None						Staff
EN.520.800	40	Independent Study	None						Cowan, Noah
EN.520.800	41	Independent Study	None						Foster, Amy
EN.520.800	42	Independent Study	None						Foster, Mark
EN.520.800	43	Independent Study	None						Rahmim, Arman
EN.520.800	44	Independent Study	None						Jansen, Aren
EN.520.800	45	Independent Study	None						Hager, Gregory
EN.520.800	46	Independent Study	None						Povey, Daniel
EN.520.800	47	Independent Study	None						Thon, Susanna
EN.520.800	48	Independent Study	None						Frey, Eric
EN.520.800	49	Independent Study	None						Niebur, Ernst
EN.520.800	50	Independent Study	None						Schlesinger, T.E.
EN.520.800	51	Independent Study	None						Rizk, Charbel

EN.520.800	52	Independent Study	None						Stayman, Joseph
EN.520.800	53	Independent Study	None						Dehak, Najim
EN.520.800	54	Independent Study	None						Mallada Garcia,
EN.520.800	55	Independent Study	None						Bell, Muyinatu
EN.520.800	56	Independent Study	None						Venkataraman,
EN.520.800	57	Independent Study	None						Ramesh, Sathappan
EN.520.800	58	Independent Study	None						Watanabe, Shinji
EN.520.802	1	Dissertation Research	None						Staff
EN.520.802	2	Dissertation Research	None						Andreou, Andreas
EN.520.802	3	Dissertation Research	None						Khurgin, Jacob
EN.520.802	4	Dissertation Research	None						Prince, Jerry
Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.802	5	Dissertation Research	None						Meyer, Gerard
EN.520.802	6	Dissertation Research	None						Iglesias, Pablo
EN.520.802	7	Dissertation Research	None						Dehak, Najim
EN.520.802	8	Dissertation Research	None						Tran, Trac Duy
EN.520.802	9	Dissertation Research	None						Kang, Jin
EN.520.802	10	Dissertation Research	None						Etienne Cummings,
EN.520.802	11	Dissertation Research	None						Mallada Garcia,
EN.520.802	12	Dissertation Research	None						Patel, Vishal
EN.520.802	13	Dissertation Research	None						Venkataraman,
EN.520.802	14	Dissertation Research	None						Goutsias, John
EN.520.802	15	Dissertation Research	None						Khudanpur, Sanjeev
EN.520.802	16	Dissertation Research	None						Bell, Muyinatu
EN.520.802	17	Dissertation Research	None						Li, Xingde
EN.520.802	18	Dissertation Research	None						Watanabe, Shinji
EN.520.802	19	Dissertation Research	None						Miller, Michael
EN.520.802	20	Dissertation Research	None						Winslow, Raimond
EN.520.802	21	Dissertation Research	None						Geman, Donald
EN.520.802	22	Dissertation Research	None						Bottomley, Paul
EN.520.802	23	Dissertation Research	None						Staff
EN.520.802	24	Dissertation Research	None						Lindquist, Martin
EN.520.802	25	Dissertation Research	None						Staff
EN.520.802	26	Dissertation Research	None						Thakor, Nitish

EN.520.802	27	Dissertation Research	None						Tsui, Benjamin
EN.520.802	28	Dissertation Research	None						Vidal, Rene
EN.520.802	29	Dissertation Research	None						Elhilali, Mounya
EN.520.802	30	Dissertation Research	None						Fridman, Gene
EN.520.802	31	Dissertation Research	None						Tarraf, Danielle
EN.520.802	32	Dissertation Research	None						Hermansky, Hynek
EN.520.802	33	Dissertation Research	None						West, James
Offering	Sec	Section Title	DOW	Start	End Time	Course	Building	Room	Primary Instructor
EN.520.802	34	Dissertation Research	None						Staff
EN.520.802	35	Dissertation Research	None						Staff
EN.520.802	36	Dissertation Research	None						Foster, Amy
EN.520.802	37	Dissertation Research	None						Foster, Mark
EN.520.802	38	Dissertation Research	None						Jansen, Aren
EN.520.802	39	Dissertation Research	None						Frey, Eric
EN.520.802	40	Dissertation Research	None						Rahmim, Arman
EN.520.802	41	Dissertation Research	None						Niebur, Ernst
EN.520.802	42	Dissertation Research	None						Coppersmith, Glen
EN.520.802	43	Dissertation Research	None						Cooper, Alexander
EN.520.802	44	Dissertation Research	None						Thomas, Michael
EN.520.802	45	Dissertation Research	None						Hager, Gregory
EN.520.802	46	Dissertation Research	None						Thon, Susanna
EN.520.802	47	Dissertation Research	None			Lecture			Boctor, Emad
EN.520.802	48	Dissertation Research	None			Lecture			Venkataraman,