

Au*	Sp*	Su*	Course #	Supervisor	Author	Title	Edition	ISBN#	Publisher
x	x		2020	McPherson	F. Ulaby and M. Maharbiz	Circuits (2nd or 3rd edition is okay for Sp17)	2 3	978 1934891193 9781934891223	NTS Press
x	x		2021	Valco	F. Ulaby and M. Maharbiz	Circuits (2nd or 3rd edition is okay for Sp17)	2 3	978 1934891193 9781934891223	NTS Press
x	x		2027	Valco	F. Ulaby and M. Maharbiz	Circuits (2nd or 3rd edition is okay for Sp17)	2 3	978 1934891193 9781934891223	NTS Press
x	x		2050	Clymer	J. Proakis and D. Manolakis	Digital Signal Processing	4	978 0131873742	Prentice-Hall
x	x		2060	Khan/McPherson	Roth, Jr., Kinney	Fundamentals of Logic Design (For the eBook: <a href="https://www.cengagebrain.com/shop/ProductDisplay?langId=-1&amp;storeId=10151&amp;catalogId=10057&amp;productId=614907">https://www.cengagebrain.com/shop/ProductDisplay?langId=-1&amp;storeId=10151&amp;catalogId=10057&amp;productId=614907</a> For the Kindle version: <a href="https://www.amazon.com/Fundamentals-Logic-Design-Charles-Roth-ebook/dp/B00BF3VHU8/ref=sr_1_1_tw_kin_2?ie=UTF8&amp;qid=1470926015&amp;sr=8-1&amp;keywords=roth+logic+design">https://www.amazon.com/Fundamentals-Logic-Design-Charles-Roth-ebook/dp/B00BF3VHU8/ref=sr_1_1_tw_kin_2?ie=UTF8&amp;qid=1470926015&amp;sr=8-1&amp;keywords=roth+logic+design</a> )	7	978 1133 62847 7	Cengage Learning
x	x		2061	Valco	Roth, Jr., Kinney	Fundamentals of Logic Design (For the eBook: <a href="https://www.cengagebrain.com/shop/ProductDisplay?langId=-1&amp;storeId=10151&amp;catalogId=10057&amp;productId=614907">https://www.cengagebrain.com/shop/ProductDisplay?langId=-1&amp;storeId=10151&amp;catalogId=10057&amp;productId=614907</a> For the Kindle version: <a href="https://www.amazon.com/Fundamentals-Logic-Design-Charles-Roth-ebook/dp/B00BF3VHU8/ref=sr_1_1_tw_kin_2?ie=UTF8&amp;qid=1470926015&amp;sr=8-1&amp;keywords=roth+logic+design">https://www.amazon.com/Fundamentals-Logic-Design-Charles-Roth-ebook/dp/B00BF3VHU8/ref=sr_1_1_tw_kin_2?ie=UTF8&amp;qid=1470926015&amp;sr=8-1&amp;keywords=roth+logic+design</a> )	7	978 1133 62847 7	Cengage Learning
x	x		2067	Valco	Roth, Jr., Kinney	Fundamentals of Logic Design (For the eBook: <a href="https://www.cengagebrain.com/shop/ProductDisplay?langId=-1&amp;storeId=10151&amp;catalogId=10057&amp;productId=614907">https://www.cengagebrain.com/shop/ProductDisplay?langId=-1&amp;storeId=10151&amp;catalogId=10057&amp;productId=614907</a> For the Kindle version: <a href="https://www.amazon.com/Fundamentals-Logic-Design-Charles-Roth-ebook/dp/B00BF3VHU8/ref=sr_1_1_tw_kin_2?ie=UTF8&amp;qid=1470926015&amp;sr=8-1&amp;keywords=roth+logic+design">https://www.amazon.com/Fundamentals-Logic-Design-Charles-Roth-ebook/dp/B00BF3VHU8/ref=sr_1_1_tw_kin_2?ie=UTF8&amp;qid=1470926015&amp;sr=8-1&amp;keywords=roth+logic+design</a> )	7	978 1133 62847 7	Cengage Learning
xe			2104	Khan	McClellan, Shafer, and Yoder	Signal Processing First	2003	9780130909992	Pearson
x	x	x	2193			no text			
	x		2194.01	Anderson	D. MacKay	on-line: Without the Hot Air			
x	x		2300	McPherson	G. Rizzoni	Principles and Applications of Electrical Engineering	6	9780073529592	McGraw-Hill
x	x		2560	Khan	J. Davies	MSP430 Microcontroller Basics (paperback)	1	978 0750682763	Newnes (Elsevier)
x	x	x	2998.01			no text			
x	x	x	2998.02			no text			
x	x		3010	Teixeira	F. Ulaby, E. Michielssen, and U. Ravaioli	Fundamentals of Applied Electromagnetics	7	978 0133356816	Prentice-Hall
x	x		3020	Bibyk	A. Sedra and K. Smith	Microelectronic Circuits	7	9780199339136	Oxford Univ. Press
x	x		3027	Bibyk		on-line manual: <a href="http://www.mikroe.com/eng/downloads/get/1741/analog_system_lab_pro_manual.pdf">http://www.mikroe.com/eng/downloads/get/1741/analog_system_lab_pro_manual.pdf</a>			mikroe.com
x	x		3030	Roblin	B. Streetman and S. Banerjee	Solid State Electronic Devices	7	0133356035 9780133356038	Pearson
x	x		3040	Illindala	M. El-Sharkawi	Electric Energy: An Introduction	3	978 1466503038	CRC Press
x	x		3047	Illindala		no text - course packet from Uniprint			
x	x		3050	Serrani/Potter	A. Oppenheim and A. Willsky	Signals and Systems	2	978 0138147570	Prentice-Hall
x			3080	Passino	Martin and Schinzinger	Ethics in Engineering	4	9780072831153	McGraw-Hill
x	x		3090	Anderson	J. Lannon and L. Gurak	Technical Communication	13	978 0321899972	Longman Publishers

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x	x		3551	Serrani	R. Dorf and R. Bishop	Modern Control Systems	13	9780134407623	Pearson Custom Pub
x	x		3557	Passino	S. Yurkovich and E. Abiakil	Control Systems Laboratory	1	9781256614760	Pearson Custom Pub
x	x		3561	Ozguner, F	Roth, Jr. and Kinney	Fundamental of Logic Design	7	978 1 133 62847 7	Cengage Learning
x	x		3567	Khan		no text			
x	x		3900	Redmill	R.M. Ford and C.S. Coulston	Design for Electrical and Computer Engineers: Theory, Concepts, and Practice	2008	978 0 07 338035 3	McGraw-Hill
x	x	x	4193			no text			
	x		4194.01	Redmill		no text			
x	x		4900	Redmill	R.M. Ford and C.S. Coulston	Design for Electrical and Computer Engineers: Theory, Concepts, and Practice	2008	978 0 07 338035 3	McGraw-Hill
x	x		4900H	Clymer	R.M. Ford and C.S. Coulston	Design for Electrical and Computer Engineers: Theory, Concepts, and Practice	2008	978 0 07 338035 3	McGraw-Hill
x	x	x	4901	Redmill	R.M. Ford and C.S. Coulston	Design for Electrical and Computer Engineers: Theory, Concepts, and Practice	2008	978 0 07 338035 3	McGraw-Hill
x	x	x	4998.01			no text			
x	x	x	4998.01H			no text			
x	x	x	4998.02			no text			
x	x	x	4999.01			no text			
x	x	x	4999.01H			no text			
x	x		5000	Koksal	Heath Jr., Robert Proakis and Salehi Madhow	on-line: Wireless Communications Digital Communications (recommended) Fundamentals of Digital Communication (recommended)	5 2008	9780072957167 9780521874144	McGraw-Hill Cambridge
	x		5007	Potter	L. Potter and Y. Yang	A Digital Communication Laboratory: Acoustic Explorations with a Software-Defined Modem	2015		.pdf available free at Lulu.com
x			5010	Johnson	Levis, Johnson, and Teixeira	Radiowave Propagation: Physics and Applications	2010	978 0470542958	Wiley
	x		5011	Volakis	C. A. Balanis	Antenna Theory: Analysis and Design	4	9781118642061	Wiley
	x		5012	Reano	K. Okamoto	Fundamentals of Optical Waveguides	2	978 0125250962	Academic Press
	x		5013	Smith	M. Richards, J. Scheer, and W. Holm	Principles of Modern Radar: Basic Principles	2010	978 1891121524	SciTech Publishing
x			5017	Roblin	D. Pozar	Microwave Engineering	4	978 0 470 63155 3	Wiley
x			5020	Bibyk	J. Rabaey, A. Chandrakasan, and B. Nikolic	Digital Integrated Circuits	2	9780130909961	Prentice-Hall
x			5021	Bibyk	T. Carusone, D. Johns, and K. Martin R. J. Baker	Analog Integrated Circuit Design (required) CMOS Circuit Design, Layout, and Simulation (recommended)	2 3	9780470770108 9780470881323	Wiley-IEEE Press Wiley
	x		5022	Khalil	K. McClaning	Wireless Receiver Design for Digital Communications	2	978 1891121807	Scitech Publications
x			5025	Wang, J	Mohan, Undeland, and Robbins	Power Electronics: Converters, Applications, & Design	3	9780471226932	Wiley
	x		5027	Roblin	G. Gonzalez	Microwave Transistor Amplifiers	2	978 0132543354	Prentice-Hall
	x		5031	W. Lu	S. A. Campbell	Fabrication Engineering at the Micro- and Nanoscale	4	978 0 19 986122 4	Oxford Univ. Press
	xo		5033	Brillson	L. Brillson	An Essential Guide to Electronic Material Surfaces and Interfaces	2016	9781119027119	Wiley

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x			5037	Valco	S. A. Campbell	Fabrication Engineering at the Micro- and Nanoscale	4	978 0 19 986122 4	Oxford Univ. Press
	x		5041	Xu	Krause, Wasynczuk, and Pekarek	Electromechanical Motion Devices	2	978 1118296127	Wiley-IEEE Press
x			5042	Wang, JK	Bergen and Vittal	Power Systems Analysis	2	978 0136919902	Prentice-Hall
	x		5043	Conejo	A. Gomez Esposito, A.J. Conejo, C. Canizares D.P. Kothari, I.J. Nagrath	Electric Energy Systems: Analysis and Operation (recommended) Modern Power System Analysis (recommended) - out of print	1 4	9780849373657 9780073404554	CRC Press McGraw-Hill
	x		5047	Wang, J		no text			
xe			5070	Guo		no text			
	x		5101	Shroff		no text			
	xo		5120	Bibyk	Burns and Roberts	An Introduction to Mixed-Signal IC Test and Measurement	2	978-0199796212	Oxford Univ. Press
x			5127	Xu		class notes and lab manual provided by department			
	xe		5131	Anderson	J. Verdeyen	Laser Electronics (paperback)	3	978 0137066667	Prentice-Hall
xe			5132	Anderson	A. Yariv and P. Yeh	Optical Electronics in Modern Communications	6	978 0 19 517946 0	Oxford Univ. Press
	xo		5137	Anderson		no text			
			5194.02	Passino		no text			
x	x		5200	Schniter	A. Oppenheim and R. Schafer	Discrete-Time Signal Processing	3	9780131988422	Prentice-Hall
	x		5206	Clymer	Z-H. Cho	Foundations of Medical Imaging	1993	9780471545736	Wiley
	x		5207	Potter	A. Rich, L. Potter, and M. Riedl	Real-time Digital Signal Processing: Laboratory Exercises Using Simulink Support for the Raspberry Pi	2015		available via Carmen course page
	x		5227	Fayed	R. Erickson and D. Maksimovic Christopher Basso Christopher Basso	Fundamentals of Power Electronics Switch-Mode Power Supplies: Spice Simulations and Practical Designs (recommended) Designing Control Loops for Linear and Switching Power Supplies (recommended)	2 2 2012	9781475705591 978-0071823463 978-1608075577	Springer McGraw-Hill Artech House
	x		5237	Berger, Ringel		no text			
x	x		5362	Catalyurek	Hamacher, Vranesic, Zaky and Manjikian	Computer Organization and Embedded Systems	6	978 0073380650	McGraw-Hill
xe			5400	Coifman	C. F. Dagnazo	Fundamentals of Transportation and Traffic Operations	1997	978 0080427850	Emerald Group Pub
x			5460	Martinez	Forsyth and Ponce	Computer Vision: A Modern Approach	2	978-0136085928	Prentice-Hall
x			5462	DeGroat	Z. Navabi	VHDL: Analysis and Modeling of Digital Systems	3	978 0071475457	McGraw-Hill
xe			5463	Zheng	J.J. Craig	Introduction to Robotics: Mechanics and Control	3	978 0201543612	Prentice-Hall
	x		5465	DeGroat		no text			
x			5510	Lee, JF		no text			
xo			5511	Reano	R. Boyd	Nonlinear Optics	3	978 0123694706	Academic Press
x			5530	Berger	J. Davies	The Physics of Low-Dimensional Semiconductors	1998	978 0 521 48491 6 (paperback)	Cambridge University Press
xe			5550	Passino		no text			
x			5551	Zhang, W	Franklin, Powell, and Workman	Digital Control of Dynamic Systems	3	978 0979122613	Ellis-Kagle Press
	xe		5553	U. Ozguner	U. Ozguner, T. Acarman and K. Redmill	Autonomous Ground Vehicles	2011	978 1 60807 192 0	Artech House ITS Library
	xo		5554	Rizzoni	Jurgen Franklin, Powell, and Workman	Automotive Electronics (recommended) Digital Control of Dynamic Systems (required)	1994 3	978 0070331891 978 0979122613	McGraw-Hill Ellis-Kagle Press
	xo		5557	Passino		no text			

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x			5759	Gupta	D. Bertsekas	Nonlinear Programming	2	9781886529007	Athena Scientifica
xo			5832	Ringel	J. Nelson	The Physics of Solar Cells *THIS TEXT MAY CHANGE. CHECK BACK CLOSER TO START OF SEMESTER.*	2003	978 1860943492	Imperial College Press
	xo		5833	Berger	G. Nisato, D. Lupo, and S. Ganz	Organic and Printed Electronics: Fundamentals and Applications	2016	9789814669740	Pan Stanford
x			6001	Ekici	D. Bertsekas and J. Tsitsiklis	Introduction to Probability	2	978 1 886529 23 6	Athena Scientifica
x			6010	Teixeira	C. A. Balanis	Advanced Engineering Electromagnetics	2	978 0 470 58948 9	Wiley
x	x		6070	Fiorentini / Villarroel	K. Schwalbe The Project Management Institute	An Introduction to Project Management, Revised (recommended) A Guide to the Project Management Body of Knowledge - PMBOK guide (recommended)	4 5	9780982800331	
x			6101	Shroff	M. Schwartz A. Leon-Garcia and I. Widjaja	Telecommunication Networks: Protocols, Modeling and Analysis Communication networks: Fundamental Concepts and Key Architectures	1987 2	978 0201164237 978 0072463521	Prentice-Hall McGraw Hill
	xe		6102	Ekici		no text			
x	x	x	6193			no text			
xe			6194.01	Illindala		no text - materials online			
	xe		6200	Schniter	M. Vetterli, J. Kovacevic, and V. Goyal J. Kovacevic, V. Goyal, and M. Vetterli	Foundations of Signal Processing (on-line @ <a href="http://fourierandwavelets.org">http://fourierandwavelets.org</a> ) Fourier and Wavelet Signal Processing (on-line @ <a href="http://fourierandwavelets.org">http://fourierandwavelets.org</a> )			
	xo		6202	Schniter	M. Hayes	Statistical Digital Signal Processing and Modeling	1996	ASIN: B0034EG72Y	Wiley
	x		6531	Rajan	U. Mishra and J. Singh	Semiconductor Device Physics and Design	2007	978 1402064807	Springer
	xe		6532	Lu	M. Ventra, S. Evoy, J.R. Heflin	Introduction to Nanoscale Science and Engineering	2004	978 1402077203	Springer
	x		6541	Wang/Xu	G. Masters	Renewable and Efficient Electric Power Systems	2	9781118140628	Wiley-IEEE Press
	x		6750	Serrani	Antsaklis and Michel	A Linear Systems Primer	2007	978 0817644604	Birkhauser
x			6754	Utkin	H.K. Khalil	Nonlinear Systems	3	978 0130673893	Prentice-Hall
x	x	x	6999			no text			
	x		7001	Koksai	V. Poor	An Introduction to Signal Detection and Estimation	2010	978 1441928375	Springer
xo			7003	ElGamal	D. Tse and P. Viswanath	Fundamentals of Wireless Communication	2005	978 0521845274	Cambridge University Press
	xo		7005	ElGamal	T. Cover and J. Thomas	Elements of Information Theory	2	978 0471241959	Wiley-Interscience
	x		7010	Teixeira		texts listed on standard syllabus are recommended, not required			
	xe		7011	Lee, JF		no text			
	xe		7013	Smith	F. Gini, A. DeMaio and L. Patton P. Stoica and J. Li	Waveform Design and Diversity for Advanced Radar Systems MIMO Radar Signal Processing	2011 2008	978 1849192651 978 0470178980	IET Wiley-IEEE Press
xo			7022	Khalil	T. Lee	The Design of CMOS Radio-Frequency Integrated Circuits	2	978 0521835398	Cambridge University Press
	xo		7027	Fayed	F. Maloberti Carusone, Johns, and Martin	Data Converters Integrated Circuit Design (recommended)	1 2	9780387324852 9780470770108	Springer Wiley
	xe		7032	White		no text			
	x		7080	Passino	Martin and Shinzinger	Ethics in Engineering	4	9780072831153	McGraw-Hill
	xo		7100	Eryilmaz		no text			
	xe		7103	Koksai, Baker	R. Gallager	Stochastic Processes: Theory for Applications	2014	9781107039759	Cambridge University Press
x	x		7531	Myers	U. Pohl	Epitaxy of Semiconductors: Introduction to Physical Principles	2013	on-line at <a href="http://osu.worldcat.org">osu.worldcat.org</a>	Springer

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xo			7811	Lee, JF	C. R. Paul	Introduction to Electromagnetic Compatibility	2	978 0471755005	Wiley-Interscience
xo			7812	Rojas		no text			
xe			7813	Volakis	C. A. Balanis	Antenna Theory: Analysis and Design	3rd Sp17, 4th next offer	9780471667827 9781118642061	Wiley
	xe		7814	Johnson	A. Ishimaru	Wave Propagation and Scattering in Random Media	1999	978 0780347175	Wiley-IEEE Press
xo			7821	Bibyk		no text			
xo			7822	Roblin	P. Roblin	Nonlinear RF Circuits and Nonlinear Vector Network Analyzers	2011	978 0521889957	Cambridge University Press
xe			7831	Roblin	P. Roblin	High Speed Heterostructure Devices	2006	978 0521024235	Cambridge University Press
xe			7841	Wang, J		no text			
xe			7842	Xu		no text			
	xe		7843	Illindala		no text			
	xe		7850	Zhang, W		no text			
xo			7854	Serrani	H.K. Khalil	Nonlinear Systems	3	978 0130673893	Prentice-Hall
xe			7855	Ozguner		no text			
	xe		7858	Passino	K. Passino	Biomimicry for Optimization, Control, and Automation	2005	978 1852338046	Springer
	xo		7859	Utkin	Utkin, Guldner, and Shi	Sliding Mode Control in Electromechanical Systems	2	978 1420065602	CRC Press
xe			7861	Catalyurek		no text			
	xo		7864	Ozguner, F		no text			
xe			7866	Martinez		no text			
	xe		7868	Martinez		no text			
			8001	Schniter		no text			
	xo		8019	Teixeira		no text			
			8101	Eryilmaz		no text			
x	x	x	8193			no text			
xo			8194.03	Wang, X	M. Wolf	Computers as Components: Principles of Embedded Computing System Design	3	978 0123884367	Morgan Kaufman
	x		8194.04	White, M		no text			
	x		8195.05	Rajan	??	??			
			8201	Potter		no text			
	xe		8250	Utkin		no text			
	xo		8861	Martinez		no text			
			8862	Ozguner, F		no text			
x	x	x	8891			no text			
x	x	x	8898			no text			
x	x	x	8999			no text			