

Winter 2017: EECS Textbook List

Please see the most updated information on http://wolverineaccess.umich.edu/ -> UM COURSE CATALOG -> Class Search (enter course subject and number) -> click on the class section number -> See Textbooks/Other Materials on the last row								
Catalog Nbr	Section	Instructor Names	Title/Description	Author	ISBN	Edition	Textbook Required Status	Publisher
203	1	Lafortune,Stephane	Discrete mathematics and its applications	Kenneth H. Rosen.	0073383090	7th ed.	Required	McGraw-Hill
203	2	Volkovich,Ilya	Discrete mathematics and its applications	Kenneth H. Rosen.	0073383090	7th ed.	Required	McGraw-Hill
203	3	Volkovich,Ilya	Discrete mathematics and its applications	Kenneth H. Rosen.	0073383090	7th ed.	Required	McGraw-Hill
203	4	Graetz,Emily Robin	Discrete mathematics and its applications	Kenneth H. Rosen.	0073383090	7th ed.	Required	McGraw-Hill
215	1	Finelli,Cindy	Fundamentals of Electric Circuits (Digital Version), 6th edition, by Charles Alexander and Matthew Sadiku				Required	
215	2	Phillips,Jamie Dean	Fundamentals of Electric Circuits (Digital Version), 6th edition, by Charles Alexander and Matthew Sadiku				Required	
216	1	Winick,Kim A	Continuous and discrete signals and systems	Samir S. Soliman; Mandyam D. S	0135184738	2. ed	Required	Prentice Hall
216	2	Winick,Kim A	Continuous and discrete signals and systems	Samir S. Soliman; Mandyam D. S	0135184738	2. ed	Required	Prentice Hall
230	1	Lee,Somin Eunice	Fundamentals of Applied Electromagnetics - 7th edition, by Ulaby, ISBN10: 0133356817				Required	
230	2	Kushner,Mark	Fundamentals of Applied Electromagnetics - 7th edition, by Ulaby, ISBN10: 0133356817				Required	
270	1	Brehob,Mark W B	Digital design, with RTL design, VHDL, and Verilog	Frank Vahid.	9780470531082	2nd ed.	Required	John Wiley
270	2	Brehob,Mark W B	Digital design, with RTL design, VHDL, and Verilog	Frank Vahid.	9780470531082	2nd ed.	Required	John Wiley
301	1	Pradhan,S Sandeep	Probability, statistics, and random processes for electrical engineering	Alberto Leon-Garcia.	9780131471221	3rd ed.	Required	Pearson/Prentice Hall
311	1	Peterson,Becky Lorenz	Microelectronic Circuit, 7th edition, OCLC 898005732	Adel S Sedra; Kenneth C Smith	9780199339136	7TH	Required	Oxford University Press
312	1	Kim,Hun Seok	Digital integrated circuits : a design perspective	Jan M. Rabaey; Anantha Chandra	0130909963	2. ed.	Required	Prentice Hall

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314	1	Ganago,Alexander O	EE for the 21st century by Alexander Ganago, 2nd edition for Fall 2015				Required	
314	1	Ganago,Alexander O	Making sense of EE in the Lab by Alexander Ganago, 5th edition Revised December 3, 2015				Required	
320	1	Bhattacharya,Pallab K	Semiconductor device fundamentals : [with computer-based exercises and homework problems]	Robert F. Pierret	9780201543933	Reprint. w	Required	Addison-Wesley
334	1	Deotare,Parag Bhaskar	Introduction to optics	Frank L. Pedrotti, Leno S. Ped	0131499335	3rd ed. --	Required	Pearson Prentice Hall
351	1	Anastasopoulos,Achilleas	Signal processing for communications	Paolo Prandoni and Martin Vett	1420070460	1st ed.	Required	EPFL Press
370	1	Austin,Todd M; Bertacco,Valeria M	Structured computer organization	Andrew S. Tanenbaum, Todd Aust	0132916525	6th ed.	Optional	Pearson
370	2	Das,Reetuparna	Structured computer organization	Andrew S. Tanenbaum, Todd Aust	0132916525	6th ed.	Optional	Pearson
370	3	Das,Reetuparna	Structured computer organization	Andrew S. Tanenbaum, Todd Aust	0132916525	6th ed.	Optional	Pearson
376	1	Schoenebeck,Grant	The nature of computation	Cristopher Moore, Stephan Mert	0199233217	Repr.	Required	Oxford University Press
376	2	Schoenebeck,Grant	The nature of computation	Cristopher Moore, Stephan Mert	0199233217	Repr.	Required	Oxford University Press
376	3	Compton,Kevin J	The nature of computation	Cristopher Moore, Stephan Mert	0199233217	Repr.	Required	Oxford University Press
376	4	Compton,Kevin J	The nature of computation	Cristopher Moore, Stephan Mert	0199233217	Repr.	Required	Oxford University Press
381	1	Kieras,David Edward	C: a reference manual	Samuel P. Harbison and Guy L.	013089592X	5. ed.	Optional	Prentice Hall
381	1	Kieras,David Edward	The C programming language	Brian W. Kernighan; Dennis M.	0131103628	2. ed., [N	Required	Prentice Hall
381	1	Kieras,David Edward	C++ programming language.	Bjarne Stroustrup	9780321563842	4th ed.	Required	Addison-Wesley

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381	1	Kieras,David Edward	The C++ standard library : a tutorial and reference	Nicolai M. Josuttis.	9780321623218	2nd ed.	Optional	Addison-Wesley
398	2	Islam,Mohammed Nazrul	Computer Networking: A Top-Down Approach, 7th edition by Kurose and Ross				Required	
419	1	Hofmann,Heath	No Textbooks Required					
425	1	Lahiji,Gholamhassan Roientan	No Textbooks Required					
427	1	Zhang,Zhengya	CMOS VLSI design : a circuits and systems perspective	Neil H.E. Weste, David Money H	0321547748	4th ed.	Required	Addison Wesley
429	1	Ku,Pei-Cheng	No Textbooks Required					
438	1	Galvanauskas,Almantas	Introduction to optics	Frank L. Pedrotti, Leno S. Ped	0131499335	3rd ed. --	Optional	Pearson Prentice Hall
441	1	Soloway,Elliot	No Textbooks Required					
441	2	Soloway,Elliot	No Textbooks Required					
441	3	Jamin,Sugih	No Textbooks Required					
442	1	Deng,Jia	No Textbooks Required					
445	1	Wiens,Jenna	Machine learning : a probabilistic perspective	Kevin P. Murphy.	0262018020		Optional	MIT Press
445	1	Wiens,Jenna	Pattern recognition and machine learning	Christopher M. Bishop.	0387310738	Corr. prin	Optional	Springer
445	2	Wiens,Jenna	Machine learning : a probabilistic perspective	Kevin P. Murphy.	0262018020		Optional	MIT Press
445	2	Wiens,Jenna	Pattern recognition and machine learning	Christopher M. Bishop.	0387310738	Corr. prin	Optional	Springer

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452	1	Wakefield, Gregory H	No Textbooks Required					
460	1	Ozay, Necmiye	Automatic control systems	Farid Golnaraghi, Benjamin C.	9780470048962	9th ed.	Required	Wiley
470	1	Dreslinski Jr, Ronald	No Textbooks Required					
478	1	Hayes, John Patrick	Logic synthesis and verification algorithms	by Gary D. Hachtel; Fabio Some	0387310045	1st softco	Optional	Springer
478	1	Hayes, John Patrick	Switching and finite automata theory	Zvi Kohavi, Niraj K. Jha.	9780521857482	3rd ed.	Optional	Cambridge University Press
482	1	Flinn, Jason Nelson	Operating Systems: Principles and Practice	Thomas Anderson and Michael Da	0985673524	2ND	Optional	Recursive Books
482	2	Flinn, Jason Nelson	Operating Systems: Principles and Practice	Thomas Anderson and Michael Da	0985673524	2ND	Optional	Recursive Books
483	1	Tang, Lingjia	No Textbooks Required					
484	1	Koutra, Danai; Mozafari, Barzan	Database management systems	Ramakrishnan, Raghu.	9780072465631		Required	McGraw-Hill
484	2	Mozafari, Barzan; Koutra, Danai	Database management systems	Ramakrishnan, Raghu.	9780072465631		Required	McGraw-Hill
489	1	Chowdhury, N M Mosharaf Kabir	Computer Networking: A Top-Down Approach (7th Edition)	James Kurose and Keith Ross	0133594149	7TH	Required	Pearson
492	1	Durfee, Edmund H	Artificial Intelligence, 3rd ed, By S Russell, P Norvig, ISBN 9780136042594				Required	
498	3	Madhyastha, Harsha	Distributed systems : principles and paradigms	Andrew S. Tanenbaum ; Maarten	9780132392273	2. ed.	Optional	Pearson/Prentice Hall
498	5	Gilchrist, Brian E	No Textbooks Required					
498	8	Hiskens, Ian	No Textbooks Required					

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501	1	Shirani Chaharsooghi,Farhad	Probability and random processes for electrical and computer engineers	John A. Gubner.	0521864704		Required	Cambridge University Press
502	1	Teneketzis, Demosthenis	Introduction to stochastic processes	[by] Paul G. Hoel, Sidney C. P	0881332674	Reissued.	Required	Waveland Press
502	1	Teneketzis, Demosthenis	Stochastic processes : theory for applications	Robert G. Gallager, MIT.	1107039754		Required	Cambridge Univ. Press
503	1	Michielssen, Eric	Theory and computation of electromagnetic fields	Jin, Jian-Ming, 1962-	0470874252		Required	Wiley
521	1	Lu, Wei	Fundamentals of modern VLSI devices.	Yuan Taur, Tak H. Ning.	0521559596	[Nouv. imp	Required	Cambridge University Press
522	1	Afshari, Ehsan	The design of CMOS radio-frequency integrated circuits	Thomas H. Lee. --	0521835399	2nd ed. --	Optional	Cambridge University Press
531	1	Tsang, Leung	Antenna theory and design : by Warren L. Stutzman and Gary A. Thiele.	Warren L. Stutzman, Gary A. Th	0470576642	3rd ed.	Required	Wiley
533	1	Sarabandi, Kamal	No Textbooks Required					
539	1	Galvanauskas, Almantas	Laser physics	Peter W. Milonni, Joseph H. Eb	0470387718	2nd ed.	Required	John Wiley & Sons
539	1	Galvanauskas, Almantas	Lasers	Anthony E. Siegman.	0935702113	8. print.	Required	University Science Books
541	1	Steel, Duncan G	Quantum mechanics	Eugen Merzbacher.	0471887021	3. ed.	Optional	Wiley
542	1	Corso, Jason	No Textbooks Required					
553	1	Neuhoff, David L	No Textbooks Required					
556	1	Kim, Boklye	No Textbooks Required					
557	1	Subramanian, Vijay Gautam	Communication networks : an optimization, control, and stochastic networks perspective	R. Srikant, University of Illi	9781107036055		Required	Cambridge University Press

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562	1	Meerkov,Semyon M	Nonlinear systems	Hassan K. Khalil	9780130673893	3. ed.	Required	Prentice-Hall
570	1	Wenisch,Thomas F	No Textbooks Required					
575	1	Peikert,Christopher J	Introduction to Modern Cryptography	Katz and Lindell	1466570261	SECOND	Required	Chapman & Hall/CRC
586	1	Stout,Quentin F	Introduction to algorithms	Thomas H. Cormen ... [et al.].	9780262033848	3rd ed.	Required	MIT Press
591	1	Kapritsos,Manos	No Textbooks Required					
592	1	Durfee,Edmund H	Artificial intelligence : a modern approach	Stuart J. Russell and Peter No	0136042597	3rd ed.	Required	Prentice Hall
598	5	Hiskens,Ian	No Textbooks Required					
598	8	Schotland,John Carl	No Textbooks Required					
627	1	Sylvester,Dennis Michael	CMOS VLSI design : a circuits and systems perspective	Neil H.E. Weste, David Money H	0321547748	4th ed.	Required	Addison Wesley
638	1	Rand,Stephen C	Lectures on Light	Stephen C Rand	9780198757450	SECOND	Required	Oxford