

Winter 2010: EECS Book 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
182	001	Resnick,Paul J	Using Google App Engine	Severance, Charles R.	059680069X		Optional	O'Reilly
182	001	Resnick,Paul J	Python programming : an introduction to computer science.	Zelle, John.	9781887902991		Optional	Franklin, beedle & associates
183	001	Dorf,Mary Lou	C++ how to program	H.M. Deitel, P.J. Deitel.	0136152503	6th ed.	Optional	Prentice Hall
183	001	Dorf,Mary Lou	C++ without fear : a beginner's guide that makes you feel smart	Brian Overland.	0321246950		Optional	Pearson Education
183	001	Dorf,Mary Lou	Starting out with C++ : from control structures through objects : brief version	Tony Gaddis, Barret Krupnow.	0321412915	5th ed.	Optional	Pearson/Addison Wesley
183	001	Dorf,Mary Lou	Problem solving, abstraction, and design using C++	Frank L. Friedman, Elliot B. K	0321450051	5th ed.	Optional	Pearson Addison-Wesley
183	001	Dorf,Mary Lou	Big C++	Cay Horstmann, Timothy Budd.	0470383283	2nd ed.	Optional	Wiley
183	002	Soloway, Elliot; Dorf,Mary Lou	C++ how to program	H.M. Deitel, P.J. Deitel.	0136152503	6th ed.	Optional	Prentice Hall
183	002	Soloway, Elliot; Dorf,Mary Lou	C++ without fear : a beginner's guide that makes you feel smart	Brian Overland.	0321246950		Optional	Pearson Education

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183	002	Soloway, Elliot; Dorf, Mary Lou	Starting out with C++ : from control structures through objects : brief version	Tony Gaddis, Barret Krupnow.	0321412915	5th ed.	Optional	Pearson/Addison Wesley
183	002	Soloway, Elliot; Dorf, Mary Lou	Problem solving, abstraction, and design using C++	Frank L. Friedman, Elliot B. K	0321450051	5th ed.	Optional	Pearson Addison-Wesley
183	002	Soloway, Elliot; Dorf, Mary Lou	Big C++	Cay Horstmann, Timothy Budd.	0470383283	2nd ed.	Optional	Wiley
203	001	Hayes, John Patrick; Shi, Yaoyun	Discrete Mathematics and Its Application	Kenneth Rosen	0073352470	UM VERSION	Required	McGraw Hill
203	002	Shi, Yaoyun; Hayes, John Patrick	Discrete Mathematics and Its Application	Kenneth Rosen	0073352470	UM VERSION	Required	McGraw Hill
215	001	Terry Jr, Fred L	Circuits	Ulaby, Fawwaz T. (Fawwaz Tayss)	1934891002		Required	National Technology & Science
215	001	Terry Jr, Fred L	Circuits Make Sense: A New Lab Book for Introductory Courses in Electric Circuits, 6th Edition by Ganago, http://he-cda.wiley.com/WileyCDA/Section/id-380919.html				Required	
215	002	Guo, L Jay	Circuits	Ulaby, Fawwaz T. (Fawwaz Tayss)	1934891002		Required	National Technology & Science
215	002	Guo, L Jay	Circuits Make Sense: A New Lab Book for Introductory Courses in Electric Circuits, 6th Edition by Ganago, http://he-cda.wiley.com/WileyCDA/Section/id-380919.html				Required	

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216	001	Grizzle, Jessy W	Continuous and discrete signals and systems	Samir S. Soliman, Mandyam D. S	0135184738	2nd ed.	Required	Prentice Hall
216	002	Winick, Kim A	Continuous and discrete signals and systems	Samir S. Soliman, Mandyam D. S	0135184738	2nd ed.	Required	Prentice Hall
230	001	Moghaddam, Mahta	Fundamentals of applied electromagnetics	Fawwaz T. Ulaby.	0132413264	5. ed.	Required	Pearson/Prentice Hall
230	002	Kushner, Mark	Fundamentals of applied electromagnetics	Fawwaz T. Ulaby.	0132413264	5. ed.	Required	Pearson/Prentice Hall
270	001	Mudge, Trevor N; Papaefthymiou, Marios C	Digital design	Frank Vahid.	0470044373		Required	J. Wiley & Sons
270	002	Papaefthymiou, Marios C; Mudge, Trevor N	Digital design	Frank Vahid.	0470044373		Required	J. Wiley & Sons
280	001	Ringenberg, Jeff	Absolute C++	Walter Savitch ; contributor,	9780136083818	4th ed.	Required	Addison-Wesley
280	002	Noble, Brian D	Absolute C++	Walter Savitch ; contributor,	9780136083818	4th ed.	Required	Addison-Wesley
281	001	Syed, Zeeshan	Foundations of Algorithms using C++ Pseudocode	RRichard Neapolitan , Kumarss	9780763763541	3RD	Required	Jones and Bartlett Publishers,

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281	002	Chesney,David R	Foundations of Algorithms using C++ Pseudocode	Richard Neapolitan , Kumarss	978076376354 1	3RD	Required	Jones and Bartlett Publishers,
282	001	Prakash,Atul	Head first Java	Sierra, Kathy.	0596009208		Optional	O'Reilly
282	001	Prakash,Atul	How to think like a computer scientist : Java version	Downey, Allen.	1441419209		Required	SoHo Books
282	001	Prakash,Atul	Pragmatic unit testing : in Java with JUnit	Hunt, Andrew, 1964-	978097451401 7		Required	Pragmatic Bookshelf
311	001	Raieszadeh,Mina	Microelectronic circuit design.	Richard C. Jaeger, Travis N. B	0073309486	3rd ed.	Required	Mcgraw-Hill
312	001	Zhang,Zhengya	Digital integrated circuits : a design perspective	Jan M. Rabaey; Anantha Chandra	0130909963	2. ed.	Required	Prentice Hall
314	001	Ganago,Alexander O	Electrical engineering : principles and applications	Allan R. Hambley.	0131989227	4th ed.	Required	Pearson Prentice Hall
314	001	Ganago,Alexander O	Making Sense of Electrical Engineering 2nd Edition with EE Supplement for UMICH Set , http://he-cda.wiley.com/WileyCDA/Section/id-380918.html				Required	
314	001	Ganago,Alexander O	Making Sense of Electrical Engineering in the Lab, 2nd , http://he-cda.wiley.com/WileyCDA/Section/id-380920.html				Required	

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320	001	Ku,PC	Semiconductor device fundamentals : [with computer-based exercises and homework problems]	Robert F. Pierret.	0201543931	Reprint. w	Required	Addison-Wesley
320	002	Zhong,Zhaohui	Semiconductor device fundamentals : [with computer-based exercises and homework problems]	Robert F. Pierret.	0201543931	Reprint. w	Required	Addison-Wesley
330	001	Jarrahi,Mona	Fundamentals of applied electromagnetics	Fawwaz T. Ulaby.	0132413264	5. ed.	Required	Pearson/Prentice Hall
334	001	Nees,John A	Introduction to optics	Frank L. Pedrotti, Leno S. Ped	0131499335	3rd ed. --	Required	Pearson Prentice Hall
370	001	Bertacco,Valeria M; Mahlke,Scott	Computer organization and design : the hardware/software interface	David A. Patterson, John L. He	0123744938	4th ed.	Required	Morgan Kaufmann Publishers
370	002	Mahlke,Scott; Bertacco,Valeria M	Computer organization and design : the hardware/software interface	David A. Patterson, John L. He	0123744938	4th ed.	Required	Morgan Kaufmann Publishers
376	001	Miller,Carl Alexander	Introduction to the theory of computation	Michael Sipser.	0534950973	2nd ed.	Required	Thomson Course Technology
381	001	Kieras,David Edward	C: a reference manual	Samuel P. Harbison and Guy L.	013089592X	5. ed.	Optional	Prentice Hall
381	001	Kieras,David Edward	The C programming language	Brian W. Kernighan; Dennis M.	0131103628	2. ed., [N	Required	Prentice Hall

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381	001	Kieras,David Edward	The C++ standard library a tutorial and reference	Nicolai M. Josuttis	0201379260	5. print.	Optional	Addison-Wesley
381	001	Kieras,David Edward	The C++ programming language	Bjarne Stroustrup	0201889544	3. ed., 5.	Required	Addison-Wesley-Longman
401	001	Scott,Clayton D	Introduction to probability	Dimitri P. Bertsekas and John	9781886529236	2nd ed.	Required	Athena Scientific
401	002	Sadanandarao,Sandeep P	Introduction to probability	Dimitri P. Bertsekas and John	9781886529236	2nd ed.	Required	Athena Scientific
417	001	Cain,Charles A	No Required Textbook					
429	001	Bhattacharya,Pallab K	Semiconductor optoelectronic devices	Pallab Bhattacharya.	0134956567	[Taiwan ed	Required	Pearson Education Taiwan Ltd.
430	001	Gilchrist,Brian E	No Required Textbook					
438	001	Galvanauskas,Almantas	Introduction to optics.	Pedrotti, Leno S., 1927-	9780131499331		Optional	Prentice Hall
438	001	Galvanauskas,Almantas	Optics	Hecht, Eugene.	9780201028355		Optional	Addison-Wesley Pub. Co

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451	001	Yagle,Andrew E	Digital signal processing : [principles, algorithms, and applications]	John G. Proakis; Dimitris G. M	0131873741	4. ed.	Required	Pearson/Prentice Hall
458	001	Xu,Zhen	Medical instrumentation : application and design	John G. Webster.	9780471676003	4th ed.	Optional	Wiley
460	001	Meerkov,Semyon M	Automatic control systems.		9780470048962	9th ed.	Required	Wiley
470	001	Wenisch,Thomas F	Computer architecture : a quantitative approach	John L. Hennessy, David A. Pat	9780123704900	4th ed.	Required	Morgan Kaufmann
477	001	Pettie,Seth	Introduction to algorithms	Thomas H. Cormen ... [et al.].	0262033844	3rd ed.	Required	MIT Press
478	001	Markov,Igor L	Logic synthesis and verification algorithms	by Gary D. Hachtel; Fabio Some	0387310045	1st softco	Optional	Springer
482	001	Flinn,Jason Nelson	Modern operating systems	Andrew S. Tanenbaum.	0136006639	3rd ed.	Optional	Pearson Prentice Hall
483	001	Narayanasamy,Satish	Compilers : principles, techniques, & tools.	Alfred V. Aho ... [et al.].	9780321486813	2nd ed.	Required	Pearson Addison-Wesley
484	001	Lefevre,Kristen R	Database management systems	Ramakrishnan, Raghu.	9780072465631		Required	McGraw-Hill

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487	001	Jamin,Sugih	OpenGL programming guide : the official guide to learning OpenGL, versions 3.0 and 3.1	Dave Shreiner ; the Khronos Op	0321552628	7th ed.	Required	Addison-Wesley
487	001	Jamin,Sugih	Graphics & visualization : principles & algorithms	T. Theoharis ... [et al.] ; wi	1568812744		Required	A.K. Peters
489	001	Mao,Zhuoqing	Computer networking : a top-down approach	James F. Kurose, Keith W. Ross	0136079679	5th ed.	Required	Addison-Wesley
492	001	Olson,Edwin	Artificial Intelligence.		9780136042594		Required	Prentice Hall
497	001	Dorf,Mary Lou	Crossing the chasm : marketing and selling disruptive products to mainstream customers	Geoffrey A. Moore ; with a for	0060517123	Rev. ed.,	Required	CollinsBusiness Essentials
497	001	Dorf,Mary Lou	The mythical man month essays on software engineering	Frederick P. Brooks	9780201835953	Anniversar	Required	Addison-Wesley
498	001	Lafortune,Stephane	Introduction to discrete event systems	Christos G. Cassandras, Stepha	9780387333328	2nd ed.	Required	Springer Science+Business Medi
498	004	Baveja,Satinder Singh	Pattern recognition and machine learning	Christopher M. Bishop.	9780387310732	Corr. prin	Optional	Springer
498	006	Hiskens,Ian	Renewable and efficient electric power systems	Gilbert M. Masters.	9780471280606	[Online-Au	Optional	John Wiley & Sons

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501	001	Momcilovic,Petar	Introduction to stochastic processes	Gregory F. Lawler	158488651X	2. ed.	Required	Chapman & Hall/CRC
501	001	Momcilovic,Petar	An introduction to probabilistic modeling	Pierre Bremaud.	3540964606	Corr. 3. p	Required	Springer-Verlag
502	001	Teneketzis,Demosthenis	Markov chains : Gibbs fields, Monte Carlo simulation, and queues	Pierre Bremaud.	0387985093	Corr. 2. p	Required	Springer
502	001	Teneketzis,Demosthenis	Introduction to stochastic processes	[by] Paul G. Hoel, Sidney C. P	0881332674		Required	Waveland Press
511	001	Flynn,Michael	No Required Textbook					
514	001	Li,Tao	No Required Textbook					
520	001	Singh,Jasprit	Electronic and optoelectronic properties of semiconductor structures	Jasprit Singh.	052182379X		Required	Cambridge University Press
521	001	Lu,Wei	Fundamentals of modern VLSI devices	Yuan Taur, Tak H. Ning.	0521832942	2nd ed.	Required	Cambridge University Press
522	001	Wentzloff,David D	The design of CMOS radio-frequency integrated circuits	Thomas H. Lee. --	0521835399	2nd ed. --	Required	Cambridge University Press

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528	001	Pang,Stella W	Silicon VLSI technology : fundamentals, practice and modeling	James D. Plummer; Michael D. D	0130850373		Required	Prentice Hall
539	001	Carmon,Tal Eliezer	Lasers	Anthony E. Siegman.	0935702113	[Nachdr.]	Required	Univ. Science Books
541	001	Steel,Duncan G	Quantum mechanics	Eugen Merzbacher.	0471887021	3. ed.	Required	Wiley
546	001	Norris,Theodore B	Ultrafast optics.	Andrew M. Weiner.	978047141539 8		Required	John Wiley
556	001	Savarese,Silvio	2D signal and image processing, Prentice Hall			1990	Optional	
557	001	Liu,Mingyan	Data networks	Dimitri Bertsekas, Robert Gall	0132009161	2nd ed.	Optional	Prentice Hall
562	001	Girard,Anouck Renee	Nonlinear systems	Hassan K. Khalil	0130673897	3. ed.	Required	Prentice-Hall
567	001	Moore,Brandon J	Robot modeling and control	Mark W. Spong, Seth Hutchinson	0471649902		Required	John Wiley & Sons
575	001	Compton,Kevin J	Introduction to modern cryptography	Jonathan Katz, Yehuda Lindell.	1584885513		Required	Chapman & Hall/CRC

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586	001	Stout,Quentin F	Introduction to algorithms	Thomas H. Cormen ... [et al.].	0262033844	3rd ed.	Required	MIT Press
590	001	Boyapati,Chandrasekhar	Types and programming languages	Benjamin C. Pierce.	0262162091		Optional	MIT Press
590	001	Boyapati,Chandrasekhar	Principles of program analysis : with 51 tables	Flemming Nielson; Hanne Riis N	9783540654100	Corr. 2. p	Optional	Springer
594	001	Holland,John H	Hidden order : how adaptation builds complexity	John H. Holland.	0201442302	1st. pbk.	Required	Basic Books
594	001	Holland,John H	Emergence : from chaos to order	John H. Holland.	0738201421	3. paperba	Required	Perseus Books
638	001	Rand,Stephen C	Elements of quantum optics	Pierre Meystre, Murray Sargent	9783540742098	4th ed.	Required	Springer
755	001	Fessler,Jeffrey A	No Required Textbook					