

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	Wiens,Jenna	Discrete mathematics and its applications	Kenneth H. Rosen.	0073383090	7th ed.	Required	McGraw-Hill
203	3	Durfee,Edmund H	Discrete mathematics and its applications	Kenneth H. Rosen.	0073383090	7th ed.	Required	McGraw-Hill
215	1	Terry Jr,Fred Lewis	CIRCUITS, Third Edition	Fawwaz Ulaby, Michel Maharbiz,	9781934891223	3	Required	NTS Press
215	2	Lahiji,Gholamhassan Roientan; Terry Jr,Fred Lewis	CIRCUITS, Third Edition	Fawwaz Ulaby, Michel Maharbiz,	9781934891223	3	Required	NTS Press
216	1	Yagle,Andrew E	Engineering Signals and Systems	Fawwaz T. Ulaby and Andrew E.	9781934891162	1ST	Required	NTS
216	2	Yagle,Andrew E	Engineering Signals and Systems	Fawwaz T. Ulaby and Andrew E.	9781934891162	1ST	Required	NTS
230	1	Ulaby,Fawwaz T	Fundamentals of Applied Electromagnetics - 7th edition, by Ulaby, ISBN10: 0133356817				Required	
230	2	Ulaby,Fawwaz T	Fundamentals of Applied Electromagnetics - 7th edition, by Ulaby, ISBN10: 0133356817				Required	
270	1	Mazumder,Pinaki	Digital design, with RTL design, VHDL, and Verilog	Frank Vahid.	9780470531082	2nd ed.	Required	John Wiley
270	2	Mazumder,Pinaki	Digital design, with RTL design, VHDL, and Verilog	Frank Vahid.	9780470531082	2nd ed.	Required	John Wiley
280	1	Juett,James; DeOrio,Andrew Whitehouse	C++ primer	Stanley B. Lippman ; Josee Laj	0321714113	5. ed.	Required	Addison-Wesley
280	2	Olson,Edwin; DeOrio,Andrew Whitehouse	C++ primer	Stanley B. Lippman ; Josee Laj	0321714113	5. ed.	Required	Addison-Wesley
280	3	DeOrio,Andrew Whitehouse	C++ primer	Stanley B. Lippman ; Josee Laj	0321714113	5. ed.	Required	Addison-Wesley
280	4	Mihalcea,Rada; DeOrio,Andrew Whitehouse	C++ primer	Stanley B. Lippman ; Josee Laj	0321714113	5. ed.	Required	Addison-Wesley

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285	1	Morgan,Andrew Michael	No Textbooks Required					
311	1	Peterson,Becky Lorenz	Microelectronic circuits	Adel S. Sedra, Kenneth C. Smit	9780195323030	6th ed.	Required	Oxford University Press
312	1	Blaauw,David	Digital integrated circuits : a design perspective	Jan M. Rabaey; Anantha Chandra	0130909963	2. ed.	Required	Prentice Hall
320	1		Semiconductor device fundamentals : [with computer-based exercises and homework problems]	Robert F. Pierret.	0201543931	Reprint. w	Required	Addison-Wesley
320	2	Lu,Wei	Semiconductor device fundamentals : [with computer-based exercises and homework problems]	Robert F. Pierret.	0201543931	Reprint. w	Required	Addison-Wesley
330	1	Tsang,Leung	Fundamentals of Applied Electromagnetics - 7th edition, by Ulaby, ISBN10: 0133356817				Required	
334	1	Rand,Stephen C	Introduction to optics	Frank L. Pedrotti, Leno S. Ped	0131499335	3rd ed. --	Required	Pearson Prentice Hall
351	1	Balzano,Laura Kathryn	Signal processing for communications	Paolo Prandoni and Martin Vett	1420070460	1st ed.	Required	EPFL Press
370	1	Mudge,Trevor N; Wenisch,Thomas F	Computer organization and design : the hardware/software interface.	David A. Patterson, John L. He	0124077269	5th editio	Optional	Elsevier
370	2	Wenisch,Thomas F; Mudge,Trevor N	Computer organization and design : the hardware/software interface.	David A. Patterson, John L. He	0124077269	5th editio	Optional	Elsevier
370	3	Mudge,Trevor N; Wenisch,Thomas F	Computer organization and design : the hardware/software interface.	David A. Patterson, John L. He	0124077269	5th editio	Optional	Elsevier
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
381	1	Kieras,David Edward	The C++ standard library : a tutorial and reference	Nicolai M. Josuttis.	9780321623218	2nd ed.	Optional	Addison-Wesley

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411	1	Mortazawi,Amir	Microwave engineering	David M. Pozar.	9780470631553	4th ed.	Required	Wiley
413	1	Wentzloff,David D	Design of analog CMOS integrated circuits	Behzad Razavi.	9780072380323		Required	McGraw-Hill
414	1	Yoon,Euisik	Foundations of MEMS	Chang Liu.	0132497360	2nd ed.	Required	Prentice Hall
418	1	Hofmann,Heath	Fundamentals of power electronics	Robert W. Erickson; Dragan Mak	9780792372707	2. ed., 2.	Required	Kluwer Acad. Publ
421	1	Guo,L Jay	Modern semiconductor devices for integrated circuits	Chenming Calvin Hu.	9780136085256	Internat.	Required	Prentice Hall
423	1	Kanicki,Jerzy	Silicon VLSI technology : fundamentals, practice and modeling	James D. Plummer; Michael D. D	0130850373		Required	Prentice Hall
427	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
441	1	Soloway,Elliot	Crossing the chasm : marketing and selling disruptive products to mainstream customers	Geoffrey A. Moore ; with a for	0060517123	Rev. ed.,	Required	CollinsBusiness Essentials
441	2	Soloway,Elliot	Crossing the chasm : marketing and selling disruptive products to mainstream customers	Geoffrey A. Moore ; with a for	0060517123	Rev. ed.,	Required	CollinsBusiness Essentials
442	1	Johnson-Roberson,Matthew Kai	Computer vision : a modern approach.	David A. Forsyth, Jean Ponce.	9780136085928	2nd ed.	Optional	Prentice Hall Inc
442	1	Johnson-Roberson,Matthew Kai	Multiple view geometry in computer vision	Richard Hartley, Andrew Zisser	9780521540513	2nd ed.	Required	Cambridge University Press
442	1	Johnson-Roberson,Matthew Kai	Computer vision : algorithms and applications	by Richard Szeliski.	9781848829343	1. Aufl.	Optional	Springer
452	1	Liu,Mingyan	Understanding digital signal processing	Richard G. Lyons.	0137027419	3rd ed.	Optional	Prentice Hall
453	1	Nadakuditi,Raj Rao	Matrix analysis for scientists & engineers	Alan J. Laub.	0898715768		Required	Society for Industrial and App
453	1	Nadakuditi,Raj Rao	MATLAB primer	Timothy A. Davis.	1439828628	8th ed.	Optional	CRC Press

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455	1	Stark,Wayne E	No Textbooks Required					
458	1	Fan,Xudong; Claflin,Dennis R; Aref,Abdulrahman; Belmont,Barry	Model 2001, 192 pages). Students can purchase the lab notebooks from the Biomedical Engineering Society (BMES) during the first week of class (recommended). Alternatively, the notebooks might be				Required	
458	2	Claflin,Dennis R; Fan,Xudong; Aref,Abdulrahman	Model 2001, 192 pages). Students can purchase the lab notebooks from the Biomedical Engineering Society (BMES) during the first week of class (recommended). Alternatively, the notebooks might be				Required	
458	3	Claflin,Dennis R; Fan,Xudong; Belmont,Barry	Model 2001, 192 pages). Students can purchase the lab notebooks from the Biomedical Engineering Society (BMES) during the first week of class (recommended). Alternatively, the notebooks might be				Required	
458	4	Fan,Xudong; Claflin,Dennis R; Aref,Abdulrahman	Model 2001, 192 pages). Students can purchase the lab notebooks from the Biomedical Engineering Society (BMES) during the first week of class (recommended). Alternatively, the notebooks might be				Required	
458	5	Fan,Xudong; Claflin,Dennis R; Belmont,Barry	Model 2001, 192 pages). Students can purchase the lab notebooks from the Biomedical Engineering Society (BMES) during the first week of class (recommended). Alternatively, the notebooks might be				Required	
460	1	Meerkov,Semyon M	Automatic Control Systems, By B Kuo, F Golnaraghi, Publisher Wiley				Required	
463	1	Mathieu,Johanna	Power system analysis and design	J. Duncan Glover, Mulukutla S.	9781111425777	5th ed.	Optional	Cengage Learning
470	1	Brehob,Mark W B	Computer architecture : a quantitative approach	John L. Hennessy, David A. Pat	012383872X	5th ed.	Required	Morgan Kaufmann
475	1	Compton,Kevin J	Cryptography and network security : principles and practice	William Stallings.	0133354695	6th ed.	Required	Prentice Hall
477	1	Shi,Yaoyun	Introduction to algorithms	Thomas H. Cormen ... [et al.].	9780262033848	3rd ed.	Required	MIT Press
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	Chen,Peter M	Operating Systems: Principles and Practice	Thomas Anderson and Michael Da	0985673524	2ND	Optional	Recursive Books
482	2	Madhyastha,Harsha	Operating Systems: Principles and Practice	Thomas Anderson and Michael Da	0985673524	2ND	Optional	Recursive Books

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482	4		Operating Systems: Principles and Practice	Thomas Anderson and Michael Da	0985673524	2ND	Optional	Recursive Books
484	1	Prakash,Atul	Database management systems	Ramakrishnan, Raghu.	9780072465631		Required	McGraw-Hill
484	2	Prakash,Atul	Database management systems	Ramakrishnan, Raghu.	9780072465631		Required	McGraw-Hill
485	1	Jagadish,Hosagrahar V; DeOrio,Andrew Whitehouse	No Textbooks Required					
485	2	DeOrio,Andrew Whitehouse; Jagadish,Hosagrahar V	No Textbooks Required					
487	1	Jamin,Sugih	OpenGL programming guide : the official guide to learning OpenGL, versions 3.0 and 3.1	Dave Shreiner ; the Khronos Op	9780321552624	7th ed.	Optional	Addison-Wesley
487	1	Jamin,Sugih	Graphics & visualization : principles & algorithms	T. Theoharis ... [et al.] ; wi	9781568812748		Optional	A.K. Peters
492	1	Kuipers,Benjamin	Artificial Intelligence, 3rd ed, By S Russell, P Norvig, ISBN 9780136042594				Required	
493	1	Ackerman,Mark Steven	Building interactive systems : principles for human-computer interaction	Dan R. Olsen Jr.	1423902483		Optional	Course Technology
494	1	Gibson,Jeremy	Introduction to Game Design, Prototyping, and Development From Concept to Playable Game - With Unity and C#		0321933168		Required	Addison-Wesley Professional
494	2	Gibson,Jeremy	Introduction to Game Design, Prototyping, and Development From Concept to Playable Game - With Unity and C#		0321933168		Required	Addison-Wesley Professional
498	2	Subramanian,Vijay Gautam	Networks, crowds, and markets : reasoning about a highly connected world	David Easley, Jon Kleinberg.	0521195330		Optional	Cambridge University Press
501	1	Pradhan,S Sandeep	Probability and random processes for electrical and computer engineers	John A. Gubner.	0521864704		Required	Cambridge University Press
517	1	Kushner,Mark	Principles of plasma discharges and materials processing	Michael A. Lieberman ; Allan J	9780471720010	2. ed.	Required	Wiley-Interscience
517	1	Kushner,Mark	Plasma physics and engineering.	Alexander Fridman, Lawrence A.	9781560328483		Optional	Taylor & Francis

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520	1	Zhong,Zhaohui	Solid state physics	Neil W. Ashcroft, N. David Mer	0030839939	27. repr.	Optional	Holt, Rinehart and Winston
520	1	Zhong,Zhaohui	Introduction to solid state physics	Charles Kittel.	9780471415268	8th ed.	Required	John Wiley & Sons
520	1	Zhong,Zhaohui	Condensed matter in a nutshell	Gerald D. Mahan.	9780691140162		Optional	Princeton University Press
523	1	Lahiji,Gholamhassan Roientan	Fundamentals of modern VLSI devices	Yuan Taur, Tak H. Ning.	9780521832946	2nd ed.	Optional	Cambridge University Press
529	1	Bhattacharya,Pallab K	Semiconductor optoelectronic devices	Pallab Bhattacharya.	0134956567	2. ed.	Required	Prentice Hall
538	1	Winful,Herbert Graves	Optical waves in crystals : propagation and control of laser radiation	Amnon Yariv, Pochi Yeh.	0471091421	4. printin	Required	Wiley
540	1	Ku,Pei-Cheng	Quantum mechanics : concepts and applications	Nouredine Zettili.	9780470026793	2nd ed.	Required	Wiley
542	1	Deng,Jia	No Textbooks Required					
545	1	Scott,Clayton D	Foundations of machine learning	Mehryar Mohri, Afshin Rostamiz	026201825X		Optional	MIT Press
545	1	Scott,Clayton D	Pattern recognition and machine learning	Christopher M. Bishop.	0387310738	Corr. prin	Optional	Springer
545	1	Scott,Clayton D	The elements of statistical learning : data mining, inference, and prediction	Trevor Hastie, Robert Tibshira	0387848576	2nd ed.	Optional	Springer
550	1	Neuhoff,David L	No Textbooks Required					
551	1	Nadakuditi,Raj Rao	Matrix analysis for scientists and engineers	Alan J. Laub.	0898715768		Required	Society for Industrial and App
551	1	Nadakuditi,Raj Rao	MATLAB primer	Timothy A. Davis.	9781439828625	8th ed.	Optional	CRC Press
554	1	Anastasopoulos,Achilleas	No Textbooks Required					

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560	1	Gillespie,Brent	No Textbooks Required					
571	1	Shin,Kang Geun	No Textbooks Required					
584	1	Mozafari,Barzan	No Textbooks Required					
587	1	Stout,Quentin F	No Textbooks Required					
589	1	Mao,Z Morley	No Textbooks Required					
595	1	Radev,Dragomir Radkov	Speech and language processing : an introduction to natural language processing, computational linguistics, and speech recognition	Daniel Jurafsky, James H. Mart	0131873210	2nd ed.	Required	Pearson Prentice Hall