

DEPARTMENT OF MATHEMATICS -- FALL 2009

COURSE #	COURSE NAME	INSTRUCTOR	TEXTBOOK TITLE	AUTHOR	ISBN	PUBLISHER
22M:001:SCA	Basic Algebra I	Staff	<i>Beginning Algebra, 10th ed.</i> Recommended: Student Solutions Manual if available	Lial, Hornsby, McGinnis		Addison-Wesley
22M:002:SCA-SCJ	Basic Algebra II	Staff	College Algebra, 3rd ed Recommended: Student Solutions Manual if available	Beecher, Penna & Bittenger	0-321-46607-1	Pearson Addison-Wesley
22M:005:071-431	Trigonometry	Staff	College Algebra & Trigonometry, 4th ed Recommended: Student Solutions Manual if available	Lian, Hornsby, Schneider	0-321-49744-9	Pearson Addison-Wesley
22M:006:AAA	Logic of Arithmetic	Seaman	<i>Mathematics For Elementary Teachers: A Contemporary Approach, 8th Ed</i> Recommended: Student Solution Manual, if available	Musser/Burger/Peters on		Wiley
22M:009:SCA	Elementary Functions	Camillo	<i>Precalculus, 8th ed.</i> Recommended: Student Solutions Manual, if available	Sullivan		Prentice Hall
22M:012:001	Theory of Arithmetic	Seaman	<i>Mathematical Reasoning For Elementary Teachers 5th Ed</i> Recommended: Student Solutions Manual, if available	Long/DeTemple		Pearson Addison Westly
22M:013:AAA	Mathematics for Business	Wang	<i>Precalculus 7th ed (Special UI edition with selected materials)</i> Recommended: Student Solutions Manual if available	Larson/Hostetler		Houghton Mifflin Co
22M:015:AAA	Mathematics for the Biological Sciences	Sokratova	<i>Precalculus Graphs & Models, custom for UI</i> Recommended: Student Solutions Manual if available	Bittinger et al.		Addison-Wesley
22M:016:00A/00B	Calculus for the Biological Sciences	Camillo	<i>Calculus for the Life Sciences</i> Recommended: Student Solutions Manual if available	Bittinger, Brand		Addison-Wesley
22M:017:SCA/00A/00B	Calculus and Matrix Algebra for Business	Blanchard, Wang (SCA)	Applied Calculus For Business, Economics, and the Social & Life Sciences, Special UI edition (with matrix supplement) Recommended: Student Solutions Manual if available	Hoffman & Bradley	0077377168	McGraw Hill
22M:025:AAA-JJJ/SCA/071	Calculus I	Khurana, Lin, Goodman, Fang, Kirk, Anderson, Wu	Calculus, Early Transcendentals Single Variable, 6th Edition Recommended: Student Solutions Manual if available	Stewart		Thomson (Cengage)
22M:025:SCA	Calculus I	Stroyan	The Language of Change	Stroyan		Available at Zephers
22M:026:AAA-GGG/071	Calculus II	Simon; Kirk; Curtu; Baker; Li, Dong	Calculus, Early Transcendentals Single Variable, 6th Edition Recommended: Student Solutions Manual if available	Stewart		Thomson (Cengage)
22M:027:101/431 22M:104:431	Introduction to Linear Algebra	Ton-That; Krishnamurthy; Courtney	Elementary Linear Algebra with Applications Appendix, 9th ed. Recommended: Student Solutions Manual if available	Anton		Wiley
22M:028:091&101 22M:109:001	Calculus III	Ye, Y	Vector Calculus, 3rd ed Recommended: Student Solutions Manual if available	Colley		Prentice Hall
22M:031:SCA/00A/00B	Enging Math I: Single Variable Calculus	Randell	Thomas' Calculus Early Transcendentals Part 1 Recommended: Student Solutions Manual if available	Thomas et al.		Addison-Wesley
22M:032:AAA	Engineer Math II: Multi-Variable Calculus	Stroyan	Interactive Multivariable Calculus	Stroyan		Zepher Copies
22M:033:001	Engineering Math III: Matrix Algebra	Roseman	Linear Algebra & Its Applications, 3rd ed update with MathLab Student Update Kit	Lay		Pearson Addison Wesley
22M:034:081-131	Engineer Math IV: Differential Equations	Randell; Mitchell; Li, Tong	Elementary Differential Equations and Boundary Value Problems, 9th ed	Boyce & DiPrima		Wiley
22M:037:102-131	Eng Math V: Vector Calculus	Gatica, Ton-That, Darcy	Calculus Early Transcendentals, A Custom Edition	Edwards & Penny	0-558-34491-7	Pearson Custom Publishing
22M:050:AAA/BBB	Introduction to Abstract Algebra I	Frohman, Bleher	Algebra Pure & Applied	Papantonopoulou	0-13-088254-2	Prentice Hall
22M:055:AAA	Fundamental Properties Spaces Funct I	Frohman	Introduction to Real Analysis, 3rd ed	Bartle & Sherbert	978-0-471-32148-4	Wiley
22M:055:BBB	Fundamental Properties Spaces Funct I					
22M:072:001/ 22C:072:001	Elementary Numerical Analysis	Ayati	Elementary Numerical Analysis , 3rd Edition	Atkinson and Han	978-0471433378	Wiley
22M:072:002 22C:072:002	Elementary Numerical Analysis	Pearse	Elementary Numerical Analysis , 3rd Edition	Atkinson and Han	978-0471433379	Wiley

22M:096:001	Introduction to Mathematics Research	Pearse	Markov Chains and Mixing Times	Levin, Peres, Wilmer	978-0821847398	American Mathematical Society
22M:100:001	Introductn Ordinary Differential Equations	Baker	An Intro to Ordinary Differential Equations	Earl A. Coddinton		Dover Pub.
22M:100:001	Introductn Ordinary Differential Equations	Baker	Ordinary Differential Equations	Tenenbaum & Pollard	9780486649405	Dover Pub.
22M:104:431 (22M:027)	Introduction to Matrix Theory/Upper Level Equivalent		See 22M:027			
22M:105:AAA (22M:055)	Basic Analysis/Upper Level Equivalent	Frohman	See 22M:055			
22M:109:001 (22M:028)	Classical Analysis/Upper Level Equivalent	Ye, Y	See 22M:028			
22M:115:AAA	Introduction to Analysis I	Gatica	Real Analysis, 3rd ed	Royden	0-02-404151-3	Prentice Hall
22M:118:001	Complex Variables	Khurana	Complex Variables	Fisher, S	0-486-40679-2(hbk)	Dover Publications
22M:120:AAA	Abstract Algebra I	Kutzko	Abstract Algebra, 3rd ed	Dummit & Foote		Wiley
22M:126:001	Elementary Theory of Numbers	Ye, Y	A Friendly Introduction to Number Theory	Silverman, Joseph	131861379	Pearson Prentice Hall
22M:132:AAA	General Topology	Simon	Topology, 2nd ed (old edition ok)	Munkres, J	0131816292	Prentice Hall
22M:142:AAA	Nonlinear Dynamics with Numerical Methods	Curtu	Dynamics and bifurcations (Texts in Applied Mathematics, vol 3), 3rd ed. (1996)	Hale & Kocak	0387971416	Springer
22M:150:001	Introduction to Discrete Mathematics	Darcy	Introductory Combinatorics, 5th ed	Brualdi	978-0136020400	Prentice Hall
22M:160:001	Introduction to Differential Geometry I	Fang	Differential Geometry of Curves and Surfaces	DoCarmo	0132125897	Prentice-Hall
22M:170:AAA	Numercl Analysis Nonlin Equa Approx Thry	Jay	Numerical Methods of Scientific Computing, 2008	Dahlquist & Bjorck	0898716446	SIAM
22M:201:001	Introduction to Algebraic Topology	Tomova	Algebraic Topology	Hatcher, A	0521795400	Cambridge University Press
22M:203:001	Topology of Manifolds	Tymoczko	Algebraic Topology	Hatcher, A	0521795400	Cambridge University Press
22M:205:001	Introduction to Algebra I	Bleher	Algebra, Revised 3rd ed, Graduate Texts in Mathematics (GTM) 211	Lang, Serge	0-387-95385-X	Springer Verlag
22M:210:001	Analysis I	Jorgensen	Real & complex Analysis, 3rd ed	Rudin, W		
22M:213:001	Ordinary Differential Equations I	Jay	Mathematical Methods of Classical Mechanics, 2nd ed 1989 Corr. 4th printing (September 5, 1997)	Arnold	0387968903	Springer, Series Graduate Texts in Mathematics Vol 60
22M:213:001	Ordinary Differential Equations I	Jay	Calculus of Variations, 2000	Gelfand & Fomin	0486414485	Dover
22M:216:001	Partial Differential Equations I	Li, Dong	Partial Differential Equations	Evans, L	978-0821807729	American Mathematical Society
22M:224:001	First-Year Graduate Seminar	Anderson				
22M:270:001	Theoretical Numerical Analysis I	Ayati	Theoretical Numerical Analysis, 3rd ed	Atkinson and Han	1-4419-457-7	Springer
22M:303:001	Topics in Analysis	Moreira				
22M:305:001	Topics in Topology					
22M:313:001	Functional Analysis I	Jorgensen	Wavelets through a Looking Glass (Applied and Numerical Analysis)	Bratteli, O & Jorgensen	817642803	Birkhauser Boston
22M:324:001	Topics Partial Differential Equations					
22M:330:001	Topics in Algebra	Krishnamurthy	text available on line			
22M:330:002	Topics in Algebra	Chindris	NO TEXTBOOK FOR COURSE			
22M:360:002	Topics in Mathematical Biology	Mitchell	NO TEXT FOR COURSE			