

## MATHEMATICS BOOK LIST -- SPRING 2010

Course #	Course	Faculty	Spring 2010 Text Title	Author	Publisher	ISBN
22M:001	Basic Algebra I		Beginning Algebra, 10th ed.	Lial, Hornsby, McGinnis	Pearson Addison Wesley	9780321437266
22M:001	Basic Algebra I		Recommended: Beginning Algebra Student's Solution Manual, 10th ed.	Lial, Hornsby, McGinnis	Pearson Addison Wesley	9780321437265
22M:002	Basic Algebra II		College Algebra and Trigonometry, 3rd ed.	Lial, Hornsby, Schneider	Pearson Addison Wesley	9780321466075
22M:002	Basic Algebra II		Recommended: Student Solutions Manual	Lial, Hornsby, Schneider	Pearson Addison Wesley	9780321459183
22M:003	Basic Geometry		Geometry, 2nd ed	Lang and Murrow	Springer	9780387966540
22M:003	Basic Geometry		Recommended: Student Solutions manual (if available)	Lang and Murrow	Springer	
22M:005	Trigonometry		College Algebra and Trigonometry, 3rd ed.	Lial, Hornsby, Schneider	Pearson Addison Wesley	9780321497444
22M:005	Trigonometry		Student Solutions Manual	Lial, Hornsby, Schneider	Pearson Addison Wesley	978032152937
22M:006	Logic of Arithmetic	Seaman	Mathematics For Elementary Teachers: A Contemporary Approach, 8th Ed	Musser/Burger/Peterson	Wiley	978-0-470-10583-2
22M:006	Logic of Arithmetic	Seaman	Recommended: Mathematics For Elementary Teachers: A Contemporary Approach, 8th Ed solutions manual	Musser/Burger/Peterson	Wiley	978-0470-105856
22M:009	Elementary Functions		Precalculus, 8th ed.	Sullivan	Prentice Hall	9780132256886
22M:009	Elementary Functions		Recommended: Precalculus, 8th ed. Students Solutions Manual	Sullivan	Prentice Hall	
22M:010	Finite Mathematics	Kirk	Finite Mathematics 10th ed	Sullivan	Wiley	9780470128633
22M:010	Finite Mathematics	Kirk	Recommended: Finite Mathematics 10th ed Student's Solutions Manual	Sullivan	Wiley	9780470287545
22M:012	Theory of Arithmetic		Mathematical Reasoning For Elementary Teachers FIFTH Ed	Long/DeTemple	Pearson Addison Wesley	9780321460844
22M:012	Theory of Arithmetic		Recommended: Mathematical Reasoning For Elementary Teachers FIFTH Ed solutions manual	Long/DeTemple	Pearson Addison Wesley	9780321535672
22M:013	Math for Business	Blanchard, Ton-That	Precalculus 7th ed (Special UI edition with selected materials)	Larson/Hostetler	Houghton Mifflin Co	9780618813056
22M:013	Math for Business	Blanchard, Ton-That	Recommended: Precalculus 7th ed (Special UI edition with selected materials) Student's Solution Manual	Larson/Hostetler	Houghton Mifflin Co	
22M:015	Math for Bio Sciences	Tomova	Precalculus Graphs & Models, (Custom UI edition)	Bittinger et al.	Pearson Addison Wesley	0536965455
22M:015	Math for Bio Sciences	Tomova	Recommended: Student Solutions Manual	Bittinger et al.	Pearson Addison Wesley	
22M:016	Calc for Bio Sciences	Krishnamurthy	Calculus for the Life Sciences	Bittinger, Brand	Pearson Addison Wesley	9780321279354
22M:016	Calc for Bio Sciences	Krishnamurthy	Recommended: Calculus for the Life Sciences Student Solutions Manual	Bittinger, Brand	Pearson Addison Wesley	9780321286055
22M:017	Calc & Matrix Algebra/Bus	Sokratova, Camillo	Calculus for Business, Economics, and the Social and Life Sciences (Custom UI Edition)	Hoffmann, Bradley	McGraw Hill	97800077377168
22M:017	Calc & Matrix Algebra/Bus	Sokratova, Camillo	Recommended: Student Solutions Manual	Hoffmann, Bradley	McGraw Hill	
22M:025	Calculus I (includes SCA	Baker, Lin, Gatica	Calculus, Early Transcendentals Single Variable, 6th Edition	Stewart	Thomson (Cengage)	9780495011699
22M:025	Calculus I (includes SCA	Baker, Lin, Gatica	Recommended: Student Solutions Manual	Stewart	Thomson (Cengage)	9780495012405
22M:026	Calculus II	Frohman, Wu, Kirk, Gatica	Single Variable Calculus, Early Transcendentals, NEW 6th ed.	Stewart	Brooks/Cole	9780495011699
22M:026	Calculus II	Frohman, Wu, Kirk, Gatica	Recommended: Student Solutions Manual	Stewart	Brooks/Cole	9780495012405

22M:027/10 4	Intro Linear Algebra	Strohmer, Tymoczko	Elementary Linear Algebra with Applications Appendix, 9th ed.	Anton	Wiley	9780471669593
22M:027/10 4	Intro Linear Algebra	Strohmer, Tymoczko	Recommended: Student Solutions Manual	Anton	Wiley	9780471433293
22M:028/10 9	Calculus III	Simon	Vector Calculus, 3rd ed	Colley	Prentice Hall	9780131858749
22M:028/10 9	Calculus III	Simon	Recommended: Student Solutions Manual	Colley	Prentice Hall	9780131936270
22M:031	Engineering Math I	Camillo	Calculus, Early Transcendentals	Thomas et al.	Pearson Addison Wesley	9780321498748
22M:031	Engineering Math I	Camillo	Recommended: Thomas' Calculus Early Transcendentals Solutions Manual	Thomas et al.	Pearson Addison Wesley	9780321226358
22M:032	Engineering Math II	Stroyan	Interactive Multivariable Calculus 2nd print & Calculus: the Language of Change, 3rd ed	Stroyan	Zephyr copies	0-9787763-0-5
22M:033	Engineering Math III	Khurana, Lowrance Johnson, Roseman, Chindris, Zhang	Linear Algebra & Its Applications, 3rd ed update with MathLab Student Update Kit	Lay	Pearson Addison Wesley	9780321280626 (text and study guide)
22M:033	Engineering Math III	Khurana, Lowrance Johnson, Roseman, Chindris, Zhang	Linear Algebra & Its Applications, 3rd ed update with MathLab Student Update Kit Study Guide	Lay	Pearson Addison Wesley	
22M:034	Engineering Math IV	Curtu, Ton-That, T Li,	Elementary Differential Equations and Boundary Value Problems, 9th ed	Boyce & DiPrima	Wiley	978-0470383346
22M:034	Engineering Math IV	Curtu, Ton-That, T Li,	Elementary Differential Equations and Boundary Value Problems Student Solutions Manual, 9th ed	Boyce & DiPrima	Wiley	978-0470383353
22M:037	Engineering Math V	Moreira, Ton-That	Calculus Early Transcendentals, A Custom Edition	Edwards & Penny	Pearson Custom Publishing	9780558344917
22M:037	Engineering Math V	Moreira, Ton-That	Recommended: Student Solutions Manual	Edwards & Penny	Pearson Custom Publishing	
22M:050	Intro Abstract Algebra	Kawamuro	A First Course in Abstract Algebra, 3rd ed.	Rotman	Prentice Hall	
22M:055/10 5	Fund Prop Spaces Func I	Strohmer	Introduction to Real Analysis, 3rd ed	Bartle & Sherbert	Wiley	
22M:056	Fund Prop Spaces Func II	Frohman	Vector Calculus, 3rd ed.	Colley	Pearson Addison Wesley	0-13-185874.2
22M:070	Foundations of Geometry	Johnson	Euclidean & Non-Euclidean Geometries, 4th ed	Greenberg	Freeman	
22M:072	Elementary Num Analysis	Yu, Han, Mitchell	Elementary Numerical Analysis, 3rd ed	K. Atkinson and W. Han	Wiley	0-471-43337-3
22M:072	Elementary Num Analysis	Yu, Han, Mitchell	Recommended: Student Solutions Manual	K. Atkinson and W. Han	Wiley	
22M:081	Geometry for Elem Teachers		Mathematical Reasoning for Elementary Teachers, 5th ed.	Long, DeTemple	Addison-Wesley	9780321460844
22M:081	Geometry for Elem Teachers		Recommended: Student Solutions Manual	Long, DeTemple	Addison-Wesley	
22M:095	Intro to Research Opportunities	Durumeric	No book			
22M:096	Intro Math Research	Darcy	The Knot Book	Adams, C	Amer Math Soc (9/2004)	978-0821836781
22M:100	Intro Ord Diff Equations	Khurana	Differential Equations Theory, Technique, and Practice	Simmons	Rudin	9780072863154
22M:104	Intro Matrix Theory	Tymoczko, Strohmer	**SEE 22M:027			
22M:105	Basis Analysis	Strohmer	**SEE 22M:055			
22M:109	Classical Analysis	Simon	**SEE 22M:028			
22M:116	Intro to Analysis II	Gatica	Functions of One Complex Variable	Conway	Springer-Verlag	978-0387903286
22M:121	Abstract Algebra II	Kutzko	Abstract Algebra, 3rd ed	Dummit & Foote	Wiley	
22M:127	Matrix Theory	Kawamuro	Linear Algebra	Hoffman & Kunze	Prentice Hall	978-0135367971

22M:133	Intro to Smooth Manifolds	Durumeric	Introduction to Smooth Manifolds (GTM 218)	Lee	Springer	387954481
22M:144	Partial Diff Equations w Numerical Methods	T Li	Introduction to Partial Differential Equations with MATLAB	Cooper, J	Birkhauser	978-0817639679
22M:151	Discrete Math Models	Durumeric	Discrete Mathematical Models: With applications to social, biological and environmental problems	Roberts	Prentice Hall - Need to request printing	013214171
22M:161	Intro Diff Geometry II	Fang	Differential Geometry of Curves and Surfaces	DoCarmo	Prentice Hall	0132125897
22M:171/ 22C:171	Num Analysis Non Equa Linear Algebra	Jay	Numerical Linear Algebra	Allaire & Kaber	Springer Series:Text in Applied Math Vol 55	9780387341590
22M:174	Optimization Techniques	Ayati	Numerical Optimization (2nd Edition)	Nocedal and Wright	Springer	978-0387303031
22M:191	Topics in Tech Uses in Math	Roseman	No textbook for this course			
22M:200	Intro to Diff Topology	Wu	From Calculus to Cohomology De Rahm Cohomology and characteristic classes	Madsen, Ib & Tornehave, Jorgen	Cambridge University Press	9780521589567
22M:206	Intro to Algebra II	Bleher	Algebra, Revised 3rd ed, Graduate Texts in Mathematics (GTM) 211	Lang, Serge	Springer Verlag	9780387953854
22M:211	Analysis II	Jorgensen	Real & Complex analysis. 3rd ed	Rudin	McGraw Hill	978-0070542341
22M:214	Ordin Diff Equations II	Jay	Nonlinear Differential Equations and Dynamical Systems	Verhulst	Springer (April 3, 2006)(Universitext)	978-3540609346
22M:217	Partial Diff Equations II	D Li	Elliptic Partial Differential Equations		American Mathematical Society	0821826913
22M:271	Differential Geometry II	Ayati	Theoretical Numerical Analysis	Atkinson & Han	Springer	978-1441904577
22M:303	Topics in Analysis	Fang, Muhly	Muhly: No textbook Fang: No textbook			
22M:305	Topics in Topology	Darcy	Knots and Links	Rolfsen, Dale	AMS (12/2003)	
22M:314	Functional Analysis II	Baker	Quantum Mechanics In Hilbert Space, 2nd ed	Prugovecki, Edward	Dover Book in Physics	
22M:324	Topics in Partial Differential Equations	Zhang	Singular integrals and differentiability properties of functions	Stein, E	Princeton University Press	691080798
22M:330:00 1	Topics in Algebra	Kutzko	The Local Langlands Conjecture for GL(2	Bushnell, Henniart	Springer	3540314865 or 9783540314868
22M:340	Homological Algebra					