

**BOOKLIST FOR FALL 2008 SEMESTER**

<b>CLASS # NAME</b>	<b>BOOK TITLE</b>	<b>AUTHOR</b>	<b>PUBLISHER</b>	<b>ISBN NUMBER</b>	<b>COMMENTS</b>
MAT 112 – Algebraic Operations & Function	Algebraic Operations & Foundations (6th Edition)	Masingila	Pearson	0536833850	Students must buy new.
MAT 117 – Foundational Math Via Problem Solving 1-	Mathematics for Elementary Teachers and Exploration Manual Math Elem Teachers (bundles 2 textbooks, The Student Activity Manual & the Student Resource Handbook)	Masingila	Tichenor Publish. & Printing	9781427502933	Students need to buy package – need both books.
MAT 121- Probability & Statistics For Liberal Arts I +UC	Elementary Statistics w/mini tab manual 10 <sup>th</sup> Edition	Triola	Addison-Wesley	0321521676 pkg.	Please know that the Text and Minitab Manual are the only two items required for the course. Students can buy used and the Minitab manual can be purchased separately.
MAT 122 – Probability & Statistics For Liberal Arts II	Elementary Statistics w/mini tab manual & my Math Lab, Student Solutions Manual Triola 10th edition	Triola	Addison-Wesley	0321521676 pkg.	Please know that the Text and Minitab Manual are the only two items required for the course. Students can buy used and the Minitab manual can be purchased separately.
MAT 183 – Elements of Modern Mathematics +UC	Finite Mathematics & Its Application	Goldstein	Prentice Hall	TBA	CUSTOM EDITION same as last semester <b>Web assign WILL BE USED!</b>
MAT 194 – Precalculus	Functions Modeling Change 3rd Edition Package w/student solutions or Textbook alone . . . .	Connally	Wiley	9780470140642 9780471793038 TBA	<b>Web assign required.</b> <b>Package adopted as choice</b> Textbook Required WebAssign access codes bundled with the text book
MAT 221 – Elementary Probability & Statistics I	<i>Intro to the Practice of Statistics 6<sup>th</sup> Edition</i>  <b>New Edition This semester</b>	Moore & McCabe	W. H. Freeman	1429216220  1429216212  1429214732	Hardcover Text  Softcover  <b>Study guide and solutions manual</b>
MAT 222 – Elementary Probability & Statistics II	<i>Intro to the Practice of Statistics 5<sup>th</sup> Edition this semester (will go with new edition in Spring 2009)</i>	Moore & McCabe	W. H. Freeman	0716773791 0716764008 text	Students can buy used.
MAT 275 – Intro to Abstract Mathematics	Passage to Abstract Mathematics	Watkins & Meyer	-	-	<b>Prepared booklet can be purchased at SU bookstore only.</b>
MAT 284 – Business Calculus	Introductory mathematical Analysis for Business Economics and the Life and Social Sciences 12E	Hauseler	Prentice Hall	0136008992 pkg.	Students can buy used text. This is the text package with SSM

MAT 285 – Life Sciences Calculus I	Calculus w/Applic. For the Life Sciences & My Math Lab or	Greenwall, Ritchey, Lial	Addison Wesley	0321532929	Package available Students can buy used text.
	Calculus w/Applic For the Life Sciences textbook only	Greenwall Ritchey,Lial	Addison Wesley	0201745828	Text Required Students can buy used text.
MAT 295 – Calculus I – MAT 295UC – Uses same book	Calculus	Stewart	Thomson	0495429694 text	NEW EDITION TEXT IS REQ'D PKG. IS RECOMMENDED
	NEW EDITION – NEW EDITION – NEW EDITION			0495012394 SV 0495012270 MV  0495012408 SV 0495012289 MV	Student Study Guide  Student Solutions
MAT 296 – Calculus	The Calculus Package 5 <sup>th</sup> Edition	Stewart	Thomson		Students can buy used. Next semester new edition will be used.
MAT 331 – 1st Course In Linear Algebra	Linear Algebra & Its Applications Update 3E with Free Study Guide & Free My Math Lab! & CD PKG. Linear Algebra & Its Applications w/CD	Lay	Addison-Wesley	032153817X	<b>Students can buy used.</b> <b>Package adopted as Choice</b> <b>Text alone adopted as Required</b> Free study guide, My Math Lab and CD not required but may be helpful.
MAT 397 – Calculus III	The Calculus Package 5 <sup>th</sup> Edition  This is the Multivariable part of the course. Students can buy used. If components are bought be sure they are the “multivariable	Stewart	Thomson	9780534393212	Students can buy used text which is the same book used in MAT 296. Textbook Required. SSM & STUDY GUIDE ADOPTED AS RECOMMENDED.
MAT 412 – Foundations of Calculus	<i>Intro To Real Analysis 3<sup>rd</sup> Ed.</i>	Bartle & Sherbert	Wiley	9780471321484 0471321486	Students can buy used. Same book as MAT 512
MAT 485 – Diff Equations & Matric Algebra For Engineers	<i>Differential Equations and Linear Algebra, 2E</i>	Farlow, Hall, McDill, West	Prentice Hall	10-0131860615 13:9780131860612	

MAT 511–Advanced Calculus – Prof. Vogel	<i>Advanced Calculus</i>	Gerald B. Folland	Prentice Hall	10-0130652652
MAT 512–Intro to Real Analysis Prof. Onninen	<i>Introduction to Real Analysis</i>	Bartle & Sherbert	Wiley	978-0-471-32149-4
Mat 514 – Intro to Ordinary Differential Equations-Prof. Hsiang & McDermott	<i>Elementary Differential Equations &amp; Boundary Value 8<sup>th</sup> Edition</i>	Boyce & DiPrima	Wiley	0-47143338-5
MAT 518– Topics in Applied Mathematics- Prof. Xu	<i>First Course in Wavelets with Fourier Analysis</i> <b>Subject to Change</b>	Albert Boggess Francis J. Narcowich	Prentice Hall	10-0130228095
MAT 521 – Intro to Prof. & Statistics	<i>Probability &amp; Statistics</i>	DeGroot	AddisonWesley	020152488-0 032114435X pkg.
MAT 525 – Mathematical Statistics-Prof. Chen	<i>Probability &amp; Statistics</i>	DeGroot	AddisonWesley	10-0201524488-0 032114435X pkg
MAT 531 – Second Course in Linear Algebra-Prof. Meyer	<i>Linear Algebra Done Right</i>	Axler, Sheldon	Springer	0387945962 or 9780387945965
MAT 545 – Introduction to Combinatorics- Prof. Graver	<i>Applied Combinatorics, 5<sup>th</sup> Edition</i>	Alan Tucker	Wiley	978 0-471-73507-6
MAT 554 – Differential Geometry – Prof. Hsiang	<i>Elements of Differential Geometry</i>	Richard S. Millman George D. Parker	Prentice Hall	10-0132641437
MAT 581 – Numerical Methods with Programming-Prof. Shen	<i>Introduction to Scientific Computing: A Matrix-Vector Approach Using MATLAB 2/e</i>	Charles Van Loan	Prentice Hall	10-0139491570
MAT 601 – Fundamentals of Analysis-Prof. Verchota	<i>Principles of mathematical Analysis</i>	Walter Rudin	McGraw Hill	07054235X
MAT 631 – Introduction to Algebra – Prof. Zacharia	<i>Abstract Algebra 3<sup>rd</sup> Edition</i> Copyright 2003	Dummit & Foote	Wiley & Sons	0471433349 9780471433347
MAT 651 – Prob. & Statistics I – Prof. Kim	<i>Statistical Inference Ed 2 Copyright 2002</i>	Casella Berger	Duxbury	053424312-6
MAT 661 – Introduction to Point Set Topology – Prof. Ucci	<i>Topology, 2/E</i>	James Munkres	Prentice Hall	0131816292
MAT 683 – Methods of Numerical Analysis I and II- Prof. Lutoborski	<i>Numerical Analysis: Mathematics of Scientific Computing 3<sup>rd</sup> Ed (Req'd)</i> <i>Introduction to Numerical Analysis 3<sup>rd</sup> (Rec)</i>	Cheney Stoer & Bulirsch	Brooks Cole Springer	0534389058 9780387954523
MAT 701 – Real Variables I- Prof. Poletsky				
MAT 721 – Probability I-Prof. McConnell	<i>Probability: Theory &amp; Examples 3<sup>rd</sup> Ed.</i>	Durrett	Ducbury	0534424414
MAT 731–Rings and Modules–Prof Quinn	<i>Advanced Modern Algebra</i>	Joseph Rotman	Prentice Hall	0130878685
MAT 781 – Advanced Numerical Methods- Prof. Banerjee	<i>Book #1 Req'd:</i> <i>Finite Elements 3<sup>rd</sup> Ed.</i>	Dietrich Braess	Cambridge Univ. Press	13-9780521705189
MAT 830-Topics in Modern Algebra – Prof. Kleiner	<i>Introduction to Lie Algebras and Representation Theory 1<sup>st</sup> ed. 7<sup>th</sup> printing</i>	James E. Humphreys	Springer Verlag	3-978-0-387-90053-7