

FALL 2009 BOOKLIST FOR UPPER LEVEL MATH COURSES

COURSE	NAME OF COURSE & INSTRUCTOR	BOOK TITLE	AUTHOR	PUBLISHER	ISBN #
MAT 511	Advanced Calculus-Prof. Vogel	<i>Advanced Calculus</i>	Gerald B. Folland	Prentice Hall	10-0130652652
MAT 512	Intro To Real Analysis-Prof McConnell	<i>Introduction to Real Analysis</i>	Bartle & Sherbert	Wiley	9780471321494
MAT 514	Intro to Ordinary Differential Equations Prof. Miller - Section 1 Prof. Hsiang - Section 2	<i>Elementary Diff Equations & Boundary Value</i> 9th Edition	Boyce & DiPrima	Wiley	9.78047E+12
MAT 518	Topics in Applied Mathematics Prof. Lutoborski	<i>An Introduction to Wavelet Analysis</i> <i>(Book #2 - Ripples in Mathematics)</i>	David F. Walnut A.Jensen Cour-Harbo	Birkhauser Springer	9780817639624 978354041662-3
MAT 521	Intro to Prob. & Statistics Prof. Cox - Section 1 Prof. Quinn - Section 2	<i>Probability and Statistics, 3/E</i>	Morris H.DeGroot Mark Schervish	Addison-Wesley	10-0201524880
MAT 525	Mathematical Statistics- Prof. Kim	<i>Probability and Statistics, 3/E</i>	Morris H.DeGroot Mark Schervish	Addison-Wesley	10-0201524880
MAT 531	Second Course in Linear Algebra Prof. Leuschke	<i>Linear Algebra Done Right</i>	Sheldon Axler	Springer	978038798258
MAT 545	Introduction to Combinatorics Prof. Graver	<i>Applied Combinatorics</i>	Alan Tucker	Wiley	9780471735076
MAT 554	Differential Geometry- Prof. Ucci	<i>Elements of Differential Geometry</i>	George D. Parker Richard S. Millman	Prentice Hall	9780132641432
MAT 581	Numerical Methods with Programming Prof. Banerjee	<i>Introduction to Scientific Computing: A Matrix- Vector Approach Using MatLab 2E</i>	Charles VanLoan	Prentice Hall	100139491570
MAT 601	Fundamentals of Analysis Prof. Kovalev	<i>Principles of Mathematical Analysis 3rd Edition</i>	Walter Rudin	McGraw Hill	9780070542358
MAT 631	Introduction to Algebra I- Prof. Diaz	<i>Algebra</i>	Michael Artin	Prentice Hall	130047635
MAT 651	Probability & Statistics I- Prof. Chen	<i>Statistical Inference</i>	Casella Berger/ Roger Berger	Cengage	10-0534243126 9780534243128
MAT 661	Introduction to Point Set Topology Prof. Anderson	<i>Topology (Req'd)</i> <i>Algebraic Topology</i>	Munkres Hatcher	Prentice Hall Cambridge Univ. Press	131816292 978054795401
MAT 701	Real Variables I- Prof. Coman	<i>Real Analysis:Modern Techniques and their Applications 2nd Edition</i>	Gerald B. Folland	Wiley	9780471317166
MAT 721	Probability I- Prof. Griffin	<i>Probability: Theory and Examples 3rd Edition</i>	Richard Durrett	Cengage	100534424414 9780534424411
MAT 731	Rings & Modules- Prof. Kleiner	<i>Advanced Modern Algebra</i>	Joseph Rotman	Prentice Hall	130878685
MAT 781	Advanced Numerical Methods Prof. Shen	<i>Nonlinear Programming</i>	Dimitri P. Bertsekas	Athena Scientific	1-886529-00-0
MAT 805	Partial Differential Equations Prof. Verchota	TBA			
MAT 830	Topics in Modern Algebra Prof. Zacharia	<i>Representation Theory of Artin Algebras</i>	Auslander,Reiten, Smalo	Cambridge	13-9780521599238
Updated 7/27/09					