

FALL 2017 LOWER LEVEL MATH BOOKLIST

NEW EDITION HIGHLIGHTED FOR THIS FALL 2017 SEMESTER

COURSE	COURSE NAME	BOOK TITLE	AUTHOR	PUBLIS	ISBN#
MAT 117	Foundational Math via Problem Solving I	Mathematics for Elementary Teachers via Problem Solving – pkg.(incl. Student Activity Manual and Resources Manual) 3 rd Ed	Masingila	Xan Edu Publi	9781506697192
		Mathematics for Elementary Teachers Activity Manual			9781581529890
		Mathematics for Elementary Teachers Resource Manual			9781581527728
MAT 121 & UC	Probability & Statistics for Liberal Arts I	Elementary Statistics Custom for Syracuse University, 5 th Ed	Triola	Pearson	9781323762479
		Elementary Statistics Mini Tab Manual, 5th Ed			9781323764176
		Elementary Statistics text, 5th Ed			9781323752234
MAT 183 & UC	Elements of Modern Math	Finite Mathematics Custom for Syracuse University, 11 th Ed - Package (includes text, Web assign, and Student Study Pack)	Goldstein, Schneider, & Siegel	Pearson	9781323400609
		Textbook only - Required			9781323331538
		Web Assign Access Code - Required			9780536870063
MAT 193	Algebra Infused Precalculus I	Functions Modeling Change Custom for Syracuse University, 5 th Ed. - Package (includes text and Web assign)	Connally	Wiley	9781119031932
MAT 194	Algebra Infused Precalculus II	SAME AS MAT 193			SAME AS MAT 193
MAT 221	Elementary Probability and Statistics I	Intro to the Practice of Statistics w/ Access Card 9 th Ed.	Moore & McCabe	Freeman	9781319013387
MAT 222	Elementary Probability and Statistics II	SAME AS MAT 221			SAME AS MAT 221
MAT 285	Life Sciences Calculus I	Calculus for the Life Sciences 2 nd Ed.	Greenwell	Pearson	9780321964038
MAT 286	Life Sciences Calculus II	SAME AS MAT 285			SAME AS MAT 285
MAT 295	Calculus I	Essential Calculus Early Trancendentals 2 nd Ed. – pkg.	Stewart	Cengage	9781133425946
		Textbook only			9781133112280
		Enhanced Web Assign Access Code - Required			9781285858265
MAT 296	Calculus II	SAME AS MAT 295			SAME AS MAT 295
MAT 331	First Course in Linear Algebra	Linear Algebra & Its Applications 5 th Ed.	Lay	Pearson	9780321982384
MAT 375	Intro to Abstract Mathematics	Passage to Abstract Mathematics	Watki & Meyer	Pearson	9780321738639
MAT 397	Calculus III	SAME AS MAT 295			SAME AS MAT 295
MAT 412	Intro to Real Analysis I	Intro to Real Analysis 4 th Ed. - paperback	Wade	Pearson	9780134707624
MAT 414	Intro Ordinary Diff Equations	Elementary Differential Equations 10 th Ed.	Boyce & DiPrima	Wiley	9781119311669
MAT 485	Diff Equations & Matrix Algebra for Engineers	Differential Equations and Linear Algebra 2 nd Ed.	Farlow Hall McDill West	Pearson	9780134689548

Updated 7-10-2017 (Subject to Change)

Fall 2017 UPPER LEVEL MATH BOOKLIST

COURSE	NAME OF COURSE	BOOK TITLE	AUTHOR	PUBLISHER	ISBN #
MAT 511	Advanced Calculus	Advanced Calculus, 1 st Ed	Folland	Pearson	9780130652652
MAT 512	Intro to Real Analysis II	Introduction to Real Analysis 4 th Ed	Wade	Pearson	9780132296380
MAT 517	Partial Diff. Equations & Fourier Series	Partial Differential Equations An Introduction, 2 nd Ed	Strauss	Wiley	9780470054567
MAT 521	Introduction to Probability	Introduction to Probability, 1 st Ed	Blitzstein & Hwang	Chapman & Hall/CRC	9781466575578
MAT 525	Mathematical Statistics	Probability and Statistics, 4 th Ed	DeGroot & Schervish	Addison- Wesley	9780321500465
MAT 526	Introduction to Stochastic Processes	Introduction To Stochastic Processes with R, 1 st Ed	Dobrow	Wiley	9781118740651
MAT 531 Sec. 001	Second Course in Linear Algebra	Linear Algebra: A Pure Mathematical Approach, 1 st Ed	Rose	Birkhäuser	9783764367923
MAT 531 Sec. 002	Second Course in Linear Algebra	Linear Algebra, 4 th Ed	Friedberg, Insel, & Spence	Pearson	9780130084514
MAT 532	Applied Linear Algebra	Applied Linear Algebra, 1 st Ed	Olver & Shakiban	Pearson	9780131473829
MAT 534	Introduction to Abstract Algebra	Contemporary Abstract Algebra, 9 th Ed	Gallian	Cengage	9781305657960
MAT 545	Introduction to Combinatorics	Applied Combinatorics, 6 th Ed	Tucker	Wiley	9780470458389
MAT 581	Numerical Methods with Programming	Numerical Methods: Using MATLAB, 3 rd Edition	Lindfield & Penny	Academics Press	9780123869425
MAT 593	History of Mathematics (section)	A History of Mathematics: An introduction, 3 rd Ed	Katz	Pearson	9780321387004
MAT 601	Fundamentals of Analysis I	Principles of Mathematical Analysis, 3 rd Ed	Rudin	McGraw Hill	9780070542358
MAT 631	Introduction to Algebra I	Algebra (Classic Version), 2 nd Ed	Artin	Pearson	9780134689609
MAT 651	Probability and Statistics I	Statistical Inference	Casella & Berger	Cengage	9780534243128
MAT 653	Statistical Simulation and Data Analysis (Section)	Simulation, 5 th Ed	Ross	Elsevier	9780124158252
MAT 654	Linear Models	Linear Regression Analysis, 2 nd Ed	Seber & Lee	Wiley	9780471415404
MAT 661	Introduction to Topology	Topology: A Geometric Approach, 9 th Edition	Lawson	Oxford Univ. Press	9780199202485
MAT 683	Methods of Numerical Analysis I	Numerical Analysis, Vol. 2, 3 rd Ed	Kincaid	American Math	9780821847886
MAT 701	Real Variables I	Real and Complex Analysis, 3 rd Ed	Rudin	McGraw Hill	9780070542341
MAT 705	Calculus On Manifolds	No Textbooks required			
MAT 722	Probability II	Probability: Theory & Examples, 4 th Ed	Durrett	Cambridge Univ.	9780521765398
MAT 731	Rings and Modules	Advanced Modern Algebra, 3 rd Ed	Rotman	AMS	9781470415549
MAT 733	Commutative Algebra (Section)	No Textbooks required			
MAT 762	Algebraic Topology	Algebraic Topology, 1 st Ed	Hatcher	Cambridge	9780521795401
MAT 830	Topics in Modern Algebra-Group And Hopf Algebra Actions	Intersection Theory, 2 nd Ed	Fulton	Springer	9780387985497
MAT 880	Topics in Numerical Analysis & Applied Mathematics – Topics in Data Science (Section)	No Textbooks required			