

## SPRING 2017 LOWER LEVEL MATH BOOKLIST

COURSE	COURSE NAME	BOOK TITLE	AUTHOR	PUBLIS	ISBN#
MAT 118	Foundational Math via Problem Solving I	Mathematics for Elementary Teachers via Problem Solving – pkg.(incl. Student Activity Manual and Resources Manual)	Masingila	Xan Edu Publi	9781581527704
MAT 122 & UC	Probability & Statistics for Liberal Arts I	Elementary Statistics Custom for Syracuse University, 4th Ed – pkg.	Triola	Pearson	9781323319741
		Elementary Statistics Mini Tab Manual			9780321833792
		Elementary Statistics text			9781323294437
MAT 194	Algebra Infused Precalculus	Functions Modeling Change Custom for Syracuse University, 5 <sup>th</sup> Ed. - Package (includes text and Web assign)	Connally	Wiley	9781119296836
MAT 221	Elementary Probability and Statistics I	Intro to the Practice of Statistics w/ Access Card 8 <sup>th</sup> Ed.	Moore & McCabe	Freeman	9781464158933
MAT 222	Elementary Probability and Statistics II	SAME AS MAT 221			SAME AS MAT 221
MAT 284 & UC	Business Calculus	Intro Mathematical Analysis for Business, Economics & Life & Social	Haeuseler	Pearson	9781323262030
MAT 285	Life Sciences Calculus I	Calculus for the Life Sciences 2 <sup>nd</sup> 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 <sup>nd</sup> 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 <sup>th</sup> Ed.	Lay	Pearson	9780321982384
MAT 375	Intro to Abstract Mathematics	Passage to Abstract Mathematics	Watki & Meyer	Pearson	9780321738639
MAT 397	Calculus III	Essential Calculus Early Trancendentals 2 <sup>nd</sup> Ed. Textbook only	Stewart	Cengage	9781133112280
		Enhanced Web Assign – <a href="#">See instructors for instructions</a>			
MAT 412	Intro to Real Analysis I	Intro to Real Analysis 4 <sup>th</sup> Ed.	Wade	Pearson	9780132296380
MAT 414	Intro Ordinary Diff Equations	Elementary Differential Equations 10 <sup>th</sup> Ed.	Boyce & DiPrima	Wiley	9781119311669
MAT 485	Diff Equations & Matrix Algebra for Engineers	Differential Equations and Linear Algebra 2 <sup>nd</sup> Ed.	Farlow Hall McDill West	Pearson	9780131860612

Updated 10-12-2016 (Subject to Change)

**SPRING 2017 UPPER LEVEL MATH BOOKLIST**

<b>COURSE</b>	<b>NAME OF COURSE</b>	<b>BOOK TITLE</b>	<b>AUTHOR</b>	<b>PUBLISHER</b>	<b>ISBN #</b>
MAT 500	Actuarial Mathematics	No Textbook			
MAT 512	Intro to Real Analysis II	Introduction to Real Analysis 4 <sup>th</sup> Ed	Wade	Pearson	9780132296380
MAT 513	Introduction to Complex Analysis	Complex Analysis 1 <sup>st</sup> Edition	Stewart & Tall	Cambridge University Press	9780521287630
MAT 517	Partial Diff. Equations & Fourier Series	Partial Differential Equations An Introduction, 2 <sup>nd</sup> Ed	Strauss	Wiley	9780470054567
MAT 521	Introduction to Probability	Introduction to Probability, 1 <sup>st</sup> Ed	Blitzstein and Hwang	Chapman and Hall/CRC	9781466575578
MAT 525	Mathematical Statistics-	Probability and Statistics, 4 <sup>th</sup> Ed	DeGroot & Schervish	Addison- Wesley	9780321500465
MAT 526	Introduction to Stochastic Processes	An Introduction To Stochastic Modeling, 4 <sup>th</sup> Ed	Pinsky & Karlin	Elsevier	9780123814166
MAT 531	Second Course in Linear Algebra	Linear Algebra, 4 <sup>th</sup> Ed	Friedberg, Insel, & Spence	Pearson	9780120084514
MAT 534	Introduction to Abstract Algebra	Contemporary Abstract Algebra, 9 <sup>th</sup> Ed	Gallian	Cengage	9781305657960
MAT 541	Introduction to Number Theory	Elementary Number Theory	Andrews	Dover	9780486682525
MAT 551	Fundamental Concepts Geometry	Modern Geometry w/Applications	Jennings	Springer-Verlag	9780387942223
MAT 581	Numerical Methods with Programming	Introduction to Scientific Computing:A Matrix-Vector Approach Using Matlab, 2 <sup>nd</sup> Ed	Van Loan	Pearson	9780139491573
MAT 599	Senior Seminar In Mathematics	Mirrors and Reflections - The Geometry of Finite Reflection Groups	Alexandre V. & Anna Borovik	Springer	9780387790657
MAT 602	Fundamentals of Analysis II	Principles of Mathematical Analysis, 3 <sup>rd</sup> Ed	Rudin	McGraw Hill	9780070542358
MAT 632	Introduction to Algebra II	Abstract Algebra	Dummitt & Foote	Pearson	9780471433347
MAT 645	Graph Theory	Applied Combinatorics, 6 <sup>th</sup> Ed	Tucker	Wiley	9780470458389
MAT 652	Probability and Statistics II	Statistical Inference, 2 <sup>nd</sup> Ed	Casella & Berger	Cengage	9780534243128
MAT 682	Numerical Linear Algebra	Numerical Linear Algebra, 4 <sup>th</sup> Ed.	Trefethen & Bau	Siam	9780898713617
MAT 684	Methods of Numerical Analysis II	Numerical Analysis, 3 <sup>rd</sup> Ed	Kincaid	American Math	9780821847886
MAT 702	Functional Analysis I	A Course in Functional Analysis	Conway	Springer	9780387972459
MAT 712	Functions of a Complex Variable I	Complex Analysis, 1 <sup>st</sup> Ed	Gamelin	Springer	9780387950693
MAT 721	Probability I	Probability: Theory & Examples 4 <sup>th</sup> Ed	Durrett	Cambridge Univ	9780521765398
MAT 732	Homological Algebra	No Textbooks required			
MAT 738	Introduction to Algebraic Geometry	Algebraic Geometry	Hartshorne	Springer-Verlay	9780387902449
MAT 750	Statistical Consulting	Statistical Consulting	Cabrera & McDougall	Springer	9781441931771
MAT 755	Multivariate Statistical Analysis	Applied Multivariate Statistical Analysis	Johnson & Wichern	Pearson	9780131877153
MAT 761	Introduction to Algebraic Topology	Algebraic Topology	Hatcher	Cambridge	9780521795401
MAT 781	Advanced Numerical Methods: Nonlinear Programming	No Textbooks required			
MAT 800	Topics in Partial Differential Equations	Partial Differential Equations, 2 <sup>nd</sup> Ed	Evans	AMS	9780821849743
MAT 830	Topics in Modern Algebra	Reflection Groups and Coxeter Groups	Humphreys	Cambridge Univ. Press	9780521436137

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