Textbook Master List

School Year: <u>Fall, 2005</u>

Course	Title	Edition	New?	Author	Publisher	1-st	2–nd	Summe
108	No text used					40		
111	Intermediate Algebra - Concepts and Applications (with MathXL) ISBN: 0-321-37890-3	7th	NEW	Bittinger and Ellenbeger	Addison-Wesley	160		
137	Mathematics for Elementary School Teachers, A Concep- tual Approach	6th	Same	Bennett and Nelson	McGraw Hill	210		
	Mathematics for Elementary School Teachers, An Activ- ity Approach	6th	Same	Bennett and Nelson	McGraw Hill			
138	Mathematics for Elementary School Teachers, A Concep- tual Approach	6th	New	Bennett and Nelson	McGraw Hill	105		
139	Mathematics for Elementary School Teachers, A Conceptual Approach	6th	Same	Bennett and Nelson	McGraw Hill	175		
	Mathematics for Elementary School Teachers, An Activ- ity Approach	6th	Same	Bennett and Nelson	McGraw Hill			
152	College algebra	8th	Same	Gustafson and Frisk	Brooks Cole	400		
152X	College algebra	8th	Same	Gustafson and Frisk	Brooks Cole	35		
153	Algebra and Trigonometry with Analytic Geometry (bun- dled with ILRN booklet and CD) ISBN 0534-608191	Classic 11th	NEW	Swokowski and Cole	Brooks Cole	2300		
153X	Algebra and Trigonometry with Analytic Geometry (bun- dled with ILRN booklet and CD) ISBN 0534-608191	Classic 11th	NEW	Swokowski and Cole	Brooks Cole	45		
154	Algebra and Trigonometry with Analytic Geometry	Classic 10th	Same	Swokowski and Cole	Brooks Cole	400		
154X	Algebra and Trigonometry with Analytic Geometry	Classic 10th	Same	Swokowski and Cole	Brooks Cole	40		
159	Algebra and Trigonometry with Analytic Geometry (bundled with ILRN booklet and CD) ISBN 0534-608191	Classic 11th	NEW	Swokowski and Cole	Brooks Cole	900		
161	Calculus - Early Transcendentals CUSTOM 5th EDI- TION - PURDUE UNIVERSITY, ISBN 0495078344	5th	New	Stewart	Brooks Cole	720		
161E	Calculus - Early Transcendentals CUSTOM 5th EDI- TION - PURDUE UNIVERSITY, ISBN 0495078344	5th	New	Stewart	Brooks Cole	70		
161M	Calculus - Early Transcendentals CUSTOM 5th EDI- TION - PURDUE UNIVERSITY, ISBN 0495078344	5th	New	Stewart	Brooks Cole	45		
162	Calculus - Early Transcendentals	4th	Same	Stewart	Brooks Cole	650		
165	Calculus - Early Transcendentals CUSTOM 5th EDI- TION - PURDUE UNIVERSITY, ISBN 0495078344	5th	New	Stewart	Brooks Cole	950		

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Course	Title	Edition	New?	Author	Publisher	1-st	2–nd	Summer
170	No Text Used					25		
173	Thomas Calculus	10th	Same	Finney, Weir and Giordano	Addison Wesley	240		
181	Thomas Calculus	10th	Same	Finney, Weir and Giordano	Addison Wesley	30		
190H	Knots and Surfaces: A Guide to Discovering Mathemat- ics (Mathematical World, Vol. 6)		New	Farmer and Stanford	AMS	20		
220	Brief Calculus, An Applied Approach – Special Edition for Purdue University, ISBN 0-618-69022-0		New	Larson	Houghton Mifflin Con pany	n- 160		
221	Technical Calculus with Analytic Geomety	3rd	Same	Kuhfittig	Brooks Cole	400		
222	Technical Calculus with Analytic Geomety	3rd	Same	Kuhfittig	Brooks Cole	160		
223	Applied Calculus with Analytic Geometry	$6 \mathrm{th}$	New	Tan	Brooks Cole	1300		
224	Applied Calculus with Analytic Geometry	$6 \mathrm{th}$	New	Tan	Brooks Cole	800		
261	Calculus - Early Transcendentals	4th	Same	Stewart	Brooks Cole	950		
261M	Calculus - Early Transcendentals	4th	Same	Stewart	Brooks Cole	45		
262	An Introduction to Differential Equations and Linear Al- gebra	1999	Same	Goode	Prentice Hall	200		
265	Elementary Linear Algebra	8th	New	Kolman and Hill	Prentice Hall	520		
	Linear Algebra Labs with MATLAB	3rd	New	Hill and Zitarelli	Prentice Hall			
266	Elementary Differential Equations and Boundary Value Problems (with CD)	8th	New	Boyce and DiPrima	Wiley	440		
271	Thomas Calculus	10th	Same	Finney, Weir and Giordano	Addison Wesley	120		
301	Notes		Same	Penney		50		
303	Elementary Differential Equations and Boundary Value Problems	8th	New	Boyce and DiPrima	Wiley	240		
	Ordinary Differential Equations using MATLAB	3rd	Same	Polking	Prentice Hall			
304	Elementary Differential Equations and Boundary Value Problems	8th	New	Boyce and DiPrima	Wiley	80		
	Ordinary Differential Equations using MATLAB	3rd	Same	Polking	Prentice Hall			
341	Understanding Analysis		Same	Abbott	Springer	45		
351	Linear Algebras with Applications (together with Visu- alizing Linear Algebra Using Maple, by Sandra Keith), ISBN 0131482629	3rd	New	Otto Bretscher	Prentice Hall	120		

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Course	Title	Edition	New?	Author	Publisher	1-st	2–nd	Summe
353	Basic Linear Algebra	2nd	New	Blith and Robertson	Springer	45		
	Further Linear Algebra	1st	New	Blith and Robertson	Springer			
362	Vector Calculus	5th	Same	Marsden and Tromba	Freeman	40		
366	Differential Equations	2nd	New	Polking, Boggess and Arnold	Prentice Hall	100		
375	Discrete Mathematics and its Applications	5th	Same	Rosen	McGraw Hill	80		
416	A First Course in Probability	6th	New	Ross	Prentice Hall	20		
	Introduction to Probability and Its Applications (Recommended)	2nd	New	Schaeffer	Duxbury			
440	Real Analysis with Real Applications	latest	New	K. Davidson and A. Donsig	Prentice Hall	20		
450	Contemporary Abstract Algebra	6th	New	Gallian	Houghton Mifflin	30		
453	Algebra, A Geometric Approach	1996	New	Shifrin	Prentice Hall	80		
460	The Elements	Vol I (B I and II)	o Slas ne	Euclid	Dover	40		
	Notes		Same	McClure				
481	No Text Used					10		
484	No text Used					10		
490M	Mathematical Models in Population Biology and Epi- demiology	2001	New	Brauer and Castillo-Chavez	Springer	15		
503	Algebra (Recommended)		New	Hungerford	Springer	30		
504	Principles to Mathematical Analysis	2003	New	Rudin	McGraw-Hill	30		
510	Vector Calculus	5th	Same	Marsden and Tromba	Freeman	30		
511	Linear Algebra	4th	New	Strang	Brooks Cole	100		
516	Arbitrage Theory in Continuous Time	2000	Same	Tomas Bjork	Oxford University Pr	ress 20		
	Introduction to Stochastic Calculus Applied to Finance	1996 (re in 2000)	pSintee	Lamberton and Lapeyne	Chapman and Hall - CRC			
	Implementing Derivative Models (Recommended)	1998	New	Clewlow and Strcikland	Wiley			
519	Introduction to Probability Theory		Same	Hoel, Port and Stone	Houghton Mifflin	35		
523	Partial Differential Equations	1998	New	Evans	AMS	30		

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Course	Title	Edition	New?	Author	Publisher	1-st	2–nd	Summer
525	Fundamentals of Complex Analysis for Mathematics, Sciences and Engineering	3rd	Same	Saff and Snider	Prentice Hall	35		
525Q	Fundamentals of Complex Analysis for Mathematics, Sciences and Engineering	3rd	Same	Saff and Snider	Prentice Hall	20		
527	Advanced Engineering Mathematics	8th	New	Kreyszig	Wiley	140		
530	Functions of One Complex Variable		New	Conway	Springer	25		
539	Probability and Measure	3rd	New	Billingsley	Wiley	15		
542	Introduction to the Theory of Distributions	2nd	New	Friedlander and Joshi	Cambridge Univer- sity Press	20		
543	A First Course in the Qualitative Theory of Differential Equations		New	J. H. Liu	Prentice Hall	20		
544	No text used					45		
546	No Text Used		New			20		
553	Abstract Algebra	3rd	Same	Dummit and Foote	Wiley	25		
554	Linear Algebra	2nd	New	K. Hoffman and R. Kunze	Prentice Hall	30		
557	Introduction to Commutative Algebra (Recommended)	paperba	c S ame	Atiyah and Macdonald	Perseus	20		
562	An Introduction to Differentiable Manifolds and Rieman- nian Geometry	2003, 2r revised edition	ndNew	William M. Boothby	Academic Press	20		
571	Topology (ISBN 0-13-1816292)	2nd	Same	Munkres	Prentice Hall	20		
575	Introduction to Graph Theory	latest	Same	West	Prentice Hall	40		
584	Algebraic Number Fields, GSM, vol. 7		New	Gerald J. Janusz	AMS	15		
598A	(same as MA 503)					30		
598B	A Singular Introduction to Commutative Algebra		New	G.–M. Greuel and G. Pfister	Springer	15		
598C	Mathematical Theory of Finite Element Methods, TEM No. 15	2nd	New	Scott and Brenner	Springer	15		
598D	Representation theory of semisimple groups, an overview based on examples		New	A. W. Knapp	Princeton University Press	15		
598E	An Introduction to Knot Theory (Recommended)	1997	New	W. B. R. Lickorish	Springer	15		
	Knots and Links (Recommended)	1990	New	D. Rolfsen	AMS			
598G	Algebraic Geometry for Scientists and Engineers		New	Abhyankar	AMS	15		
	Ramification Theoretic Methods in Algebraic Geometry		New	Abhyankar	Princeton University Press	r		

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Estimated Enrollments

Course	Title	Edition	New?	Author	Publisher	1-st	2–nd	Summer
598K	Introduction to Coding Theory, GTM, Vol. 86	1998	New	J. J. Van Lint	Springer	15		
598R	(same as MA 504)					15		
598W	Cohomology of Groups		New	Kenneth Brown	Springer	15		
631	Introduction to Complex Analysis in Several Variables		New	Hormander	Elsevier	15		
642	Elliptic Partial Differential Equations of Second Order	2nd		Gilbarg and Trudinger	Springer	15		
650	Commutative Ring Theory		New	Matsumura	Cambridge Univer- sity Press	15		
693E	No Text Used					15		
694E	A Geometric Approach to Free Boundary Problems		New	Caffarelli	AMS	15		
694F	Levy Processes and Stochastic Calculus, Cambridge Stud- ies in Advanced Matheamtics, 93		New	David Applemaum	Cambridge University Press	y 15		
694R	Stochastic evolution systems. Mathematics and its Applications, 35.	1990	New	Boris Rozowskii	Kluwer Academic Pu lishers Group	b- 15		
	Kolmogorov Equations for Stochastic PDEs. Advanced Courses in Mathematics - CRM Barcelona.	2004	New	Giuseppe Da Prato	Birkhaeuser			
696C	No text used					15		

Changes:

MA 161, 161E, 161M and 165 text changed on April 25: OLD TEXT No text selected NEW TEXT Calculus - Early Transcendentals CUSTOM 5th EDITION - PURDUE UNIVERSITY by Stewart, (Brooks Cole)

MA 453 text changed on April 26: OLD TEXT No text selected NEW TEXT Algebra, A Geometric Approach, by Shifrin, (Prentice Hall) 1996

MA 351 text changed on May 24: OLD TEXT no text selected

NEW TEXT Linear Algebras with Applications (together with Visualizing Linear Algebra Using Maple, by Sandra Keith), ISBN 0131482629, by Otto Bretscher (Prentice Hall)

MA 353 text changed on May 24: **OLD TEXT** no text selected **NEW TEXT** (note there are two texts) *Basic Linear Algebra*, by Blith and Robertson (Springer), 2nd edition and *Further Linear Algebra*, by Blith and Robertson (Springer), 1st edition.

MA 220 text changed on May 24: **OLD TEXT** no text selected **NEW TEXT** Brief Calculus, An Applied Approach – Special Edition for Purdue University, ISBN 0-618-69022-0, by Larson (Houghton Mifflin Company)

MA 694R text added on June 14:

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NEW TEXTS 1. Boris Rozowskii Stochastic evolution systems. Mathematics and its Applications, 35. Kluwer Academic Publishers Group, Dordrecht, 1990. 2. Giuseppe Da Prato Kolmogorov Equations for Stochastic PDEs. Advanced Courses in Mathematics - CRM Barcelona. Birkhaeuser, Basel, 2004.

MA 153, 153X and 159 text ISBN number changed to 0534-608191 on June 20:

MA 490M text added on June 23: **NEW TEXT** Brauer and Castillo-Chavez, Mathematical Models in Population Biology and Epidemiology, Springer, 2001

MA 450 text edition changed on June 30: OLD EDITION: 5th NEW EDITION: 6th

MA 366 text edition changed on July 22: OLD EDITION: 1st NEW EDITION: 2nd

MA 416, text changed on August 2: **OLD TEXT** no text selected **NEW TEXT** 1. A First Course in Probability, 6th edition, by Ross. Prentice Hall 2. Introduction to Probability and Its Applications (Recommended), 2nd edition, by Schaeffer. Duxbury.

MA 539, text changed on August 2: OLD TEXT no text selected NEW TEXT Probability and Measure, 3rd edition, by Billingsley. Wiley.

MA 544 text changed on August 2: OLD TEXT: No text selected NEW TEXT: No text used

MA 190H text changed on August 3: **OLD TEXT** no text selected **NEW TEXT** Knots and Surfaces: A Guide to Discovering Mathematics (Mathematical World, Vol. 6), by Farmer and Stanford. American Mathematical Society