

## Textbook and Topics List ~ Westminster Math Department ~ Dec. 12, 2006

	<b>Textbook</b>	<b>Chapters to be covered</b>	<b>Optional sections</b>
<b>MAT 030</b> <i>Fundamentals of Mathematics</i>	<i>Basic College Mathematics</i> Miller; 1 <sup>st</sup> Edition McGraw-Hill ISBN: 007-331319-X Optional Student Solution Manual ISBN: 007-328165-4	1.1 – 1.8 2.1 – 2.6 3.1 – 3.5 4.1 – 4.6 (first four chapters)	
<b>MAT 060</b> <i>Pre-Algebra</i>	<i>Pre-Algebra</i> Lial/Hestwood; 3 <sup>rd</sup> Edition Addison-Wesley ISBN: 0321470567	1.2 – 1.8; All of 2, 3, and 4; 5.9, 5.10; 6.1 – 6.4; 7.1, 7.3 – 7.5; All of 8	1.5, 3.4 and 7.2 are optional.
<b>MAT 090</b> <i>Introductory Algebra</i>	<i>Elementary Algebra</i> Mark Dugopolski; 5th Edition McGraw-Hill ISBN: 0073019283 Optional Student Solution Manual ISBN: 0072934670	1.1-1.5 as needed; 1.6-1.8; Chp 2; 3.1-3.2; Chps 5, 6, 7	4.1 – but if you cover it only do exercises 1-26 OMIT 6.5
<b>MAT 103</b> <i>Math for Clinical Calculations</i>	<i>The Nurse, The Math, The Meds</i> Joyce M. Mulholland Mosby Elsevier ISBN-13 978-0-323-03031-1  Alternate ISBN: 0-323-03031-9	Chapters 1-10; Chp 13.  Specific note packet/handout as provided by department	
<b>MAT 106</b> <i>Survey of Algebra</i>	<i>Intermediate Algebra</i> Mark Dugopolski; 5th Edition McGraw-Hill ISBN: 0073019275 Optional Student Solution Manual ISBN: 0072934743	Chapters 2, 3, 4.1 – 4.3, 5, 6, 7, 8.1, 8.2, 8.4	
<b>MAT 107</b> <i>Career Math</i>	<i>Essentials of College Mathematics</i> Cleaves & Hobbs; 2nd edition Pearson/Prentice Hall ISBN: 0131998056	1.2; 2.5-2.7; 3.1-3.4; Chp 4, 5, 6, and 9 – all sections; 10.1 – 10.2 – skip poly long-division; Chp 12 – all; 15.1	1.3 as needed; 2.1 - 2.4 as needed; 7.1 15.2
<b>MAT 120</b> <i>Math for the Liberal Arts</i>	<i>Using &amp; Understanding Math</i> Briggs; 3rd edition Addison Wesley ISBN: 0321353595	Chp 1: B, C, D Chp 3: D (just inflation) Chp 4: A, B, C Chp 5: A, C Chp 6: A, B, C Chp 7: A, B, C, D, E Chp 8: B Chp 9: A, B, C	Choose <b>one</b> of the following three options: <u>Option A:</u> Chp 10: A, B, C and Chp 11: B, C <u>Option B:</u> Chp 12: A, B, C <u>Option C:</u> Chp 13: A, B, C

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<b>MAT 121</b> <i>College Algebra</i> <b>All sections</b>	<i>College Algebra</i> Blitzer; 4 <sup>th</sup> edition Pearson ISBN: 0536129614	Chp. 2 - all; Chp3: 3.1-3.6 3.4 -Make sure to assign hw like #25-32 on P. 347. Chp 4: all Chp 5: 5.1 & 5.4 only Chp 7: 7.1, 7.2, 7.3	OPTIONAL: Chapter P & 1; 3.3 -Remainder Thm is optional. 3.4 – Rational Zero Thm & Descarte's Rule of Signs are optional 3.7
<b>MAT 122</b> <i>College Trigonometry</i>	<i>Trigonometry</i> Mark Dugopolski; 2nd edition Addison Wesley ISBN: 0321208811	1.1-1.6; 2.1-2.4; 3.1-3.5;4.1-4.4; 5.1-5.4; 6.1-6.5	2.5; skip half-angle identities in 3.5, 3.6;
<b>MAT 123</b> <i>Finite Mathematics</i>	<i>Mathematical Application for the Management, Life, and Social Sciences</i> Harshbarger &Reynolds; 8 <sup>th</sup> edition Houghton Mifflin ISBN: 061865421-6 Optional Student Solution Manual ISBN:0618676929	Chapters 1-8	None
<b>MAT 125</b> <i>Survey of Calculus</i>	<i>Mathematical Application for the Management, Life, and Social Sciences</i> Harshbarger &Reynolds; 7 <sup>th</sup> edition Houghton Mifflin ISBN: 0618386580 Optional Student Solution Manual ISBN: 0618293701	Chapters 9-13	None
<b>MAT 135</b> <i>Introduction to Statistics</i> <b>All sections</b>	<i>Understandable Statistics</i> Brase & Brase; 8 <sup>th</sup> edition Houghton Mifflin ISBN: 0618-826726 Optional Student Solution Manual ISBN: 0618501592	Chapters 1-10  Cover 4.3 as needed for Chapter 5.  Cover either (8.5, 9.4, 9.5) OR (11.1-11.2)	Optional: 3.3; 6.4; 7.3  Omit: 4.2; 5.4; 10.3; 10.4  Chapter 11 is optional if 8.5, 9.4, and 9.5 are covered.
<b>MAT 155 / 156</b>	<i>Problem Solving Approach to Math for Elementary School Teachers</i> Billstein; 8 <sup>th</sup> edition Addison Wesley ISBN: 0321156803 <i>Mathematics Activities for Elem School Educators</i> ISBN: 0321174135 Optional Student Solution Manual ISBN: 0321170199	Mat 155: Chapters 1-6 MAT 156: Chapters 7-12	
<b>MAT 201</b> <i>Calculus I</i>	<i>Calculus, Early Transcendentals</i> Anton; 8 <sup>th</sup> edition Wiley ISBN: 0470040122 (includes SSM)	Chapters 2-6	Chapter 1 is optional review; 4.4 is optional

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<b>MAT 202</b> <i>Calculus II</i>	<i>Calculus, Early Transcendentals</i> Anton; 8 <sup>th</sup> edition Wiley ISBN: 0470040122 (includes SSM)	Chapters 7, 8.1-8.7, 4.4, 8.8, 9.1, 9.3, 10	
<b>MAT 204</b> <i>Calculus III</i>	<i>Calculus, Early Transcendentals</i> Anton; 8 <sup>th</sup> edition Wiley ISBN: 0470040122 (includes SSM)	Chapters 11-16	none
<b>MAT 255</b> <i>Linear Algebra</i>	<i>Elementary Linear Algebra</i> Larson, Edwards; 5 <sup>th</sup> edition Houghton Mifflin ISBN: 0618400508 Optional Student Solution Manual ISBN: 0618335684	Chapters 1-7	
<b>MAT 265</b> <i>Differential Equations</i>	<i>Fundamentals of Differential Equations</i> Nagle and Saff; 4 <sup>th</sup> edition	Chapters 1-9	none