MAT 146---Math for the Liberal Arts Three Rivers Community College Fall 2017

Course Description: This is a survey course designed to acquaint the liberal arts student with a broad spectrum of mathematical ideas not emphasized in traditional algebra courses. As a terminal mathematics course, it conveys the nature and diversity of mathematics, its methods, applications, and roles in society. Topics are selected from problem solving and critical thinking skills, graph theory, voting and power, patterns and symmetry, linear and exponential applications; others may include fractal geometry, financial management, fair division schemes, game theory, or codes.

Instructor:	Professor Paul Centore					
Email:	pcentore@trcc.commnet.edu					
Communication will occur by email and Blackboard. Please make sure that your email address in						
MyCommNet is accurate. Check your email and Blackboard regularly to be informed of any schedule						
changes.	2					
Office Hours:	Monday	1245-125	Adjunct Office Suite			
	Tuesday	1145-1225	Adjunct Office Suite			
or by appointment			5			
	J F F					
Lectures:	Tuesday	1230-145	room D221			
	Thursday	1230-145	room D221			
Tests:	Thursday, September 28		1230			
	Thursday, October 31		1230			
	Thursday, November 14 Thursday, December 14		1230			
			1230			
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Textbook (required	0.1247659	20 (includes of	sions in modern mainematics, 9 cutton, ISBN			
9/80134/65839 (includes access to software)						
Software (required): Access to MyMathLab software (comes with book or, for access alone use ISBN						
	9/80134/518	1)				
Support: Tutoring and Academic Success Center (TASC) rm C113						
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Measurements:	Each test is 20 or a project	%, and the ren	naining 20% will consist of homework assignments			

	Торіс	Exercises
1	Chap. 1 The Mathematics of Elections	p. 29: 1, 3, 5, 7, 9, 11, 15, 17, 19, 21, 23, 29, 31, 35, 41, 49, 52, 53, 59, 64
2	Chap. 2 The Mathematics of Power	p. 60: 1, 3, 5, 7, 9, 11, 15, 17, 23, 24, 27, 33, 39, 43, 45, 49, 53
3	Chap. 3 The Mathematics of Sharing	p. 90: 1, 5, 9-12, 17, 19, 21, 29, 35, 43, 49, 51, 57
4	Chap. 9 Population Growth Models	p. 284: 1, 5, 9, 13, 17, 19, 21, 27, 29, 31, 33, 35, 37, 39, 41, 45, 47, 49, 51, 53, 57, 61, 63, 71
5	Chap. 10 Financial Mathematics	p. 320: 1, 3, 5, 9, 11, 15, 17, 21, 25, 27, 29, 33, 35, 39, 41, 45, 47, 53, 55, 57, 59, 61, 65, 68, 75
6	Chap. 11 The Mathematics of Symmetry	p. 346: 1, 3, 5, 9, 11, 13, 15, 19, 21, 23, 25, 29, 31, 35, 39, 41, 47, 49, 51, 53, 55, 61, 65, 69, 73
7	Chap. 13 Fibonacci Numbers and the Golden Ratio	p. 402: 1, 3, 7, 13, 17, 23, 25, 27, 31, 35, 39, 41, 43, 45, 49, 51, 53, 65
8	Chap. 12 Fractal Geometry (included if time permits)	p. 377: 1, 3, 5, 9, 13, 17, 21, 27, 29, 35, 37, 39, 41, 43, 45
9	Chap. 5 The Mathematics of Getting Around (included if time permits)	p. 162: 1, 3, 5, 7, 9, 11, 17, 19, 21, 25, 29, 31, 35, 39, 43, 53

MAT 146 Homework (Fall 2017)

Grade Equivalents

А	93 - 100
A-	90 - 93
B+	87 -89
В	83 - 86
B-	80 - 82
C+	77 – 79
С	73 – 76
C-	70 - 72
D+	67 – 69
D	63 - 66
D-	60 - 62
F	< 60