MA 16020 Applied Calculus II
Calendar – Syllabus(Part I), Fall 2018

EXAM COVERAGE --- EXAM 1: Lessons R-6, Exam 2: Lessons 7-14, Exam 3: Lessons 14-21
EXAM 4: Lessons 20-26, Exam 5: Lessons 25-32

Date	Lesson	Quiz #	Assignment/Topics
8/20 M	R		Review of Basic Integration
8/22 W	1		Integration By Substitution
8/24 F	2		Integration By Substitution
8/27 M	3		The Natural Logarithmic Function: Integration
8/29 W	4		Integration by Parts
8/31 F	5		Integration by Parts
9/3 M			*LABOR DAY (no classes)*
9/5 W	6		Diff. Equations: Solutions, Growth and Decay & Separation of Variables
9/7 F	7		Diff. Equations: Separation of Variables
***9/10 M**	*****		**EXAM 1 – Normal Class time - Location: Computer Lab TBA**
9/12 W	8		Diff. Equations: Separation of Variables
9/14 F	9		First-Order Linear Differential Equations
9/17 M	10		First-Order Linear Differential Equations
9/19 W	11		Area of a Region Between two curves
9/21 F	12		Volume of Solids of Revolution
9/24 M	13		Volume of Solids of Revolution
9/26 W	14		Volume of Solids of Revolution
9/28 F	15		Improper Integrals
10/1 M	*****		**EXAM 2 – Normal Class time - Location: Computer Lab TBA**
10/3 W	16		Geometric Series and Convergence
10/5 F	17		Geometric Series and Convergence
10/8 M			*OCTOBER BREAK (no classes)*
10/10 W	18		Functions of Several Variables Intro
10/12 F	19		Partial Derivatives
10/15 M	20		Partial Derivatives
10/17 W	21		Differentials of Multivariable Functions
10/19 F	22		Chain Rule, Functions of Several Variables
10/22 M	*****		**EXAM 3 – Normal Class time - Location: Computer Lab TBA**
10/24 W	23		Extrema of Functions of Two Variables
10/26 F	24		Extrema of Functions of Two Variables

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Date	Lesson	Quiz #	Assignment/Topics
10/29 M	25		LaGrange Multipliers - Constrained Min/Max
10/31 W	26		LaGrange Multipliers - Constrained Min/Max
11/2 F	27		Double Integrals, Volume, Applications
11/5 M	*****		**EXAM 4 – Normal Class time - Location: Computer Lab TBA**
11/7 W	28		Double Integrals, Volume, Applications
11/9 F	29		Double Integrals, Volume, Applications
11/12 M	30		Systems of Equations, Matrices, Gaussian Elimination
11/14 W	31		Gauss-Jordan Elimination
11/16 F	32		Matrix Operations
11/19 W	33		Inverses and Determinants of Matrices
11/21 W			*THANKSGIVING BREAK VACATION (no classes)*
11/23 F			*THANKSGIVING BREAK VACATION (no classes)*
11/26 M	*****		***EXAM 5 – Normal Class time - Location: Computer Lab TBA**
11/28 W	34		Inverses and Determinants of Matrices
11/30 F	35		Eigenvalues and Eigenvectors
12/3 M	36		Eigenvalues and Eigenvectors
12/5 W			REVIEW FOR FINAL EXAM
12/7 F			REVIEW FOR FINAL EXAM
12/10 to 12/15			**WEEK OF FINAL EXAMS**

****SPECIAL NOTE:** The date and time of the final exam will be announced during the semester. **THE SEMESTER DOES NOT END UNTIL SATURDAY, DECEMBER 15 AT 5:00 PM**. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.