MA 16020 Applied Calculus II
Calendar – Syllabus(Part I), Spring 2018
EXAM 1: Lessons R-6, Exam 2: Lessons 7-13, Exam 3: Lessons 13-19
EXAM 4: Lessons 18-24, Exam 5: Lessons 25-32

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

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Date	Lesson	Quiz #	Assignment/Topics
3/19 M	23		Extrema of Functions of Two Variables
3/21 W	24		Extrema of Functions of Two Variables
3/23 F	25		LaGrange Multipliers - Constrained Min/Max
3/26 M	*****		**EXAM 4 – Normal Class time - Location: Computer Lab TBA**
3/28 W	26		LaGrange Multipliers - Constrained Min/Max
3/30 F	27		Double Integrals, Volume, Applications
4/2 M	28		Double Integrals, Volume, Applications
4/4 W	29		Double Integrals, Volume, Applications
4/6 F	30		Systems of Equations, Matrices, Gaussian Elimination
4/9 W	31		Gauss-Jordan Elimination
4/11 W	32		Matrix Operations
4/13 F	33		Inverses and Determinants of Matrices
4/16 M	*****		***EXAM 5 – Normal Class time - Location: Computer Lab TBA**
4/18 W	34		Inverses and Determinants of Matrices
4/20 F	35		Eigenvalues and Eigenvectors
4/23 M	36		Eigenvalues and Eigenvectors
4/25 W			REVIEW FOR FINAL EXAM
4/27 F			REVIEW FOR FINAL EXAM
4/30 to 5/5			**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, MAY 5 AT 5:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY <u>**WILL NOT**</u> BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.