MA 16020 Applied Calculus II
Calendar – Syllabus(Part I), Spring 2020

Exam Coverage --- Exam 1: Lessons R-6, Exam 2: Lessons 6-14, Exam 3: Lessons 14-21, Exam 4: Lessons 22-32

Date	Lesson	Quiz #	Assignment/Topics
1/13 M	R		Review of Basic Integration
1/15 W	1A		Integration By Substitution
1/17 F	1B		Integration By Substitution
1/20 M			*MARTIN LUTHER KING JR. DAY* – **NO CLASSES**
1/22 W	2		Integration By Substitution
1/24 F	3		The Natural Logarithmic Function: Integration
1/27 M	4		Integration by Parts
1/29 W	5		Integration by Parts
1/31 F	6		Diff. Equations: Solutions, Growth and Decay & Separation of Variables
2/3 M	7		Diff. Equations: Separation of Variables
***2/4 Tu**	*****		**EXAM 1 – Time: 8:00PM –** 9:15pm **– Location: Elliott Hall of Music**
2/5 W			**NO CLASSES**
2/7 F	8		Diff. Equations: Separation of Variables
2/10 M	9		First-Order Linear Differential Equations
2/12 W	10		First-Order Linear Differential Equations
2/14 F	11		Area of a Region Between two curves
2/17 M	12		Volume of Solids of Revolution
2/19 W	13		Volume of Solids of Revolution
2/21 F	14		Volume of Solids of Revolution
2/24 M	15		Improper Integrals
***2/25 Tu**	*****		**EXAM 2 – Time: 8:00PM –** 9:15pm **– Location: Elliott Hall of Music**
2/26 W			**NO CLASSES**
2/28 F	16		Geometric Series and Convergence
3/2 M	17		Geometric Series and Convergence
3/4 W	18		Functions of Several Variables Intro
3/6 F	19		Partial Derivatives
3/9 M	20		Partial Derivatives
3/11 W	21		Differentials of Multivariable Functions
3/13 F	22		Chain Rule, Functions of Several Variables
3/16 to	3/20		**SPRING BREAK – NO CLASSES**
3/23 M			**NO CLASSES**
***3/25 W**	*****		**EXAM 3 – Times: Vary, To Be Announced**
3/27 F	23		Extrema of Functions of Two Variables

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Date	Lesson	Quiz #	Assignment/Topics
3/30 M	24		Extrema of Functions of Two Variables
4/1 W	25		LaGrange Multipliers - Constrained Min/Max
4/3 F	26		LaGrange Multipliers - Constrained Min/Max
4/6 M	27		Double Integrals, Volume, Applications
4/8 W	28		Double Integrals, Volume, Applications
4/10 F	29		Double Integrals, Volume, Applications
4/13 M	30		Systems of Equations, Matrices, Gaussian Elimination
4/15 W	31		Gauss-Jordan Elimination
4/17 F	32		Matrix Operations
4/20 M	33		Inverses and Determinants of Matrices
***4/22 W**	*********		**EXAM 4 – Times: Vary, To Be Announced**
4/24 F	34		Inverses and Determinants of Matrices
4/27 M	35		Eigenvalues and Eigenvectors
4/29 W	36		Eigenvalues and Eigenvectors
5/1 F			REVIEW FOR FINAL EXAM
5/4 to 5/9			**WEEK OF FINAL EXAMS**

****SPECIAL NOTE:** The date and time of the final exams may vary To be Announced. **THE SEMESTER DOES NOT END UNTIL SATURDAY, MAY 9 AT 9:00 PM**.