MA 16020 Applied Calculus II
Calendar – Syllabus(Part I), Spring 2015
EXAM 1: Lessons 1 – 10 Exam 2: Lessons 10 – 22, Exam 3: Lessons 23 – 30

Date	Lesson	Quiz #	Section	Topics
1/12 M	1		5.5	Integration By Substitution
1/14 W	2		5.5	Integration By Substitution
1/16 F	3		5.7	The Natural Logarithmic Function: Integration
1/19 M				*MARTIN LUTHER KING JR. DAY (no classes)*
1/21 W	4		6.2	Diff. Equations:Solutions,Growth and Decay
1/23 F	5		6.3	Diff. Equations: Separation of Variables
1/26 M	6		6.3	Diff. Equations: Separation of Variables
1/28 W	7		6.5	First-Order Linear Differential Equations
1/30 F	8		6.5	First-Order Linear Differential Equations
2/2 M	9		7.1	Area of a Region Between two curves
2/4 W	10		7.2	Volume of Solids of Revolution
2/6 F				REVIEW FOR EXAM 1
2/9 M				OPTIONAL REVIEW FOR EXAM 1
2/9 M				**EXAM 1 (Time: 8:00-9:00pm) - Location: Elliott Hall of Music**
2/11 W	11		7.2	Volume of Solids of Revolution
2/13 F	12		8.2	Integration by Parts
2/16 M	13		8.2	Integration by Parts
2/18 W	14		8.8	Improper Integrals
2/20 F	15		9.2	Geometric Series and Convergence
2/23 M	16		9.6	The Ratio Test
2/25 W	17		9.7	Taylor Polynomials and Approximations
2/27 F	18		9.8	Power Series
3/2 M	19		9.9	Finding Power Series Representations
3/4 W	20		9.10	Taylor and Maclaurin Series
3/6 F	21		13.1	Functions of Several Variables Intro
3/9 M	22		13.3	Partial Derivatives
3/11 W				REVIEW FOR EXAM 2
3/12 TH				**EXAM 2 (Time: 8:00-9:00pm) - Location: Elliott Hall of Music**
3/13 F				OPTIONAL REVIEW SESSION for going over Exam 2
3/16 M -3/20 F				*SPRING BREAK (no classes)*
3/23 M	23		13.4	Differentials of Multivariable Functions
3/25 W	24		13.5	Chain Rule, Functions of Several Variables
3/27 F	25		13.8	Extrema of Functions of Two Variables

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Date	Lesson	Quiz #	Section	Assignment
3/30 M	26		13.9	Applications of Extrema -Two Var. Functions
4/1 W	27		13.10	LaGrange Multipliers - Constrained Min/Max
4/3 F	28		13.10	LaGrange Multipliers - Constrained Min/Max
4/6 M	29		14.1	Iterated Integrals
4/8 W	30		14.2	Double Integrals, Volume, Applications
4/10 F	31		Lar-8.1, 8.2&8.3	Systems of Equations, Matrices
4/13 M	32		Lar-8.3	Gaussian Elimination
4/15 W	33		Lar-8.3&8.4	Gauss-Jordan Elimination & Matrix Operations
4/17 F				REVIEW FOR EXAM 3
4/20 M				OPTIONAL REVIEW FOR EXAM 3
4/20 M				**EXAM 3 (Time: 8:00-9:00pm) - Location: Elliott Hall of Music**
4/22 W	34		Lar-8.4&8.5	Matrix Operations, Inverse Matrices, Determinants
4/24 F	35		Zill -A2	Matrix Operations, Determinants
4/27 M	36		Zill -A2	Eigenvalues and Eigenvectors
4/29 W				REVIEW FOR FINAL EXAM
5/1 F				REVIEW FOR FINAL EXAM
5/4 to 5/9				**WEEK OF FINAL EXAMS**

The date and time of the final exam will be announced during the semester. THE SEMESTER DOES NOT END UNTIL SATURDAY, MAY 9 AT 9:00 PM. INIDIVIDUALS WANTING TO LEAVE CAMPUS EARLY WILL NOT BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.