MA 16020 Applied Calculus II

Calendar – Syllabus(Part I), Spring 2017

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
1/9 M	R		Review of Basic Integration
1/11 W	1		Integration By Substitution
1/13 F	2		Integration By Substitution
1/16 M			*MARTIN LUTHER KING JR. DAY (no classes)*
1/18 W	3		The Natural Logarithmic Function: Integration
1/20 F	4		Integration by Parts
1/23 M	5		Integration by Parts
1/25 W	6		Diff. Equations: Solutions, Growth and Decay
1/27 F	7		Diff. Equations: Separation of Variables
***1/30 M**	*****		**EXAM 1 – Normal Class time - Location: Computer Lab TBA**
2/1 W	8		Diff. Equations: Separation of Variables
2/3 F	9		First-Order Linear Differential Equations
2/6 M	10		First-Order Linear Differential Equations
2/8 W	11		Area of a Region Between two curves
2/10 F	12		Volume of Solids of Revolution
2/13 M	13		Volume of Solids of Revolution
2/15 W	14		Volume of Solids of Revolution
2/17 F	15		Improper Integrals
***2/20 M**	*****		**EXAM 2 – Normal Class time - Location: Computer Lab TBA**
2/22 W	16		Geometric Series and Convergence
2/24 F	17		Geometric Series and Convergence
2/27 M	18		Functions of Several Variables Intro
3/1 W	19		Partial Derivatives
3/3 F	20		Partial Derivatives
***3/6 M**	*****		**EXAM 3 – Normal Class time - Location: Computer Lab TBA**
3/8 W	21		Differentials of Multivariable Functions
3/10 F	22		Chain Rule, Functions of Several Variables
3/13 M			*SPRING BREAK VACATION (no classes)*
3/15 W			*SPRING BREAK VACATION (no classes)*
3/17 F			*SPRING BREAK VACATION (no classes)*

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Date	Lesson	Quiz #	Assignment/Topics
3/20 M	23		Extrema of Functions of Two Variables
3/22 W	24		Extrema of Functions of Two Variables
3/24 F	25		LaGrange Multipliers - Constrained Min/Max
3/27 M	*****		**EXAM 4 – Normal Class time - Location: Computer Lab TBA**
3/29 W	26		LaGrange Multipliers - Constrained Min/Max
3/31 F	27		Double Integrals, Volume, Applications
4/3 M	28		Double Integrals, Volume, Applications
4/5 W	29		Double Integrals, Volume, Applications
4/7 F	30		Systems of Equations, Matrices, Gaussian Elimination
4/10 W	31		Gauss-Jordan Elimination
4/12 W	32		Matrix Operations
4/14 F	33		Inverses and Determinants of Matrices
4/17 M	*****		***EXAM 5 – Normal Class time - Location: Computer Lab TBA**
4/19 W	34		Inverses and Determinants of Matrices
4/21 F	35		Eigenvalues and Eigenvectors
4/24 M	36		Eigenvalues and Eigenvectors
4/26 W			REVIEW FOR FINAL EXAM
4/28 F			REVIEW FOR FINAL EXAM
5/1 to 5/6			**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 6 AT 5:00 PM**. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.