MA 16020 Applied Calculus II

Calendar – Syllabus(Part I), Fall 2016

EXAM 1: Lessons 1-7, Exam 2: Lessons 6-12, Exam 3: Lessons 12-18
EXAM 4: Lessons 18-23, Exam 5: Lessons 23-28, Exam 6: Lessons 27-32

Date	Lesson	Quiz #	Assignment/Topics
8/22 M	1		Integration By Substitution
8/24 W	2		Integration By Substitution
8/26 F	3		The Natural Logarithmic Function: Integration
8/29 M	4		Integration by Parts
8/31 W	5		Integration by Parts
9/2 F	6		Diff. Equations:Solutions,Growth and Decay
9/5 M			*LABOR DAY (no classes)*
9/7 W	7		Diff. Equations: Separation of Variables
9/9 F	8		Diff. Equations: Separation of Variables
***9/12 M**	*****		**EXAM 1 – Normal Class time - Location: Computer Lab TBA**
9/14 W	9		First-Order Linear Differential Equations
9/16 F	10		First-Order Linear Differential Equations
9/19 M	11		Area of a Region Between two curves
9/21 W	12		Volume of Solids of Revolution
9/23 F	13		Volume of Solids of Revolution
***9/26 M**	*****		**EXAM 2 – Normal Class time - Location: Computer Lab TBA**
9/28 W	14		Volume of Solids of Revolution
9/30 F	15		Improper Integrals
10/3 M	16		Geometric Series and Convergence
10/5 W	17		Geometric Series and Convergence
10/7 F	18		Functions of Several Variables Intro
10/10 M			*OCTOBER BREAK (no classes)*
10/12 W	19		Partial Derivatives
10/14 F	20		Partial Derivatives
10/17 M	*****		**EXAM 3 – Normal Class time - Location: Computer Lab TBA**
10/19 W	21		Differentials of Multivariable Functions
10/21 F	22		Chain Rule, Functions of Several Variables
10/24 M	23		Extrema of Functions of Two Variables
10/26 W	24		Extrema of Functions of Two Variables
10/28 F	25		LaGrange Multipliers - Constrained Min/Max

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Date	Lesson	Quiz #	Assignment/Topics
10/31 M	*****		**EXAM 4 – Normal Class time - Location: Computer Lab TBA**
11/2 W	26		LaGrange Multipliers - Constrained Min/Max
11/4 F	27		Double Integrals, Volume, Applications
11/7 M	28		Double Integrals, Volume, Applications
11/9 W	29		Double Integrals, Volume, Applications
11/11 F	30		Systems of Equations, Matrices, Gaussian Elimination
11/14 M	*****		***EXAM 5 – Normal Class time - Location: Computer Lab TBA**
11/16 W	31		Gauss-Jordan Elimination
11/18 F	32		Matrix Operations
11/21 M	33		Inverses and Determinants of Matrices
11/23 W			*THANKSGIVING VACATION (no classes)*
11/25 F			*THANKSGIVING VACATION (no classes)*
11/28 M	*****		***EXAM 6 – Normal Class time - Location: Computer Lab TBA**
11/30 W	34		Inverses and Determinants of Matrices
12/2 F	35		Eigenvalues and Eigenvectors
12/5 M	36		Eigenvalues and Eigenvectors
12/7 W			REVIEW FOR FINAL EXAM
12/9 F			REVIEW FOR FINAL EXAM
12/12 to 12/17			**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 17 AT 9:00 PM**. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.