

MA 16020 Applied Calculus II

Calendar – Syllabus(Part I), Fall 2015

EXAM 1: Lessons 1 – 8 Exam 2: Lessons 9 – 22, Exam 3: Lessons 23 – 30

Date	Lesson	Quiz #	Assignment/Topics
8/24 M	1		Integration By Substitution
8/26 W	2		Integration By Substitution
8/28 F	3		The Natural Logarithmic Function: Integration
8/31 M	4		Integration by Parts
9/2 W	5		Integration by Parts
9/4 F	6		Diff. Equations: Solutions, Growth and Decay
9/7 M			<i>LABOR DAY (no classes)</i>
9/9 W	7		Diff. Equations: Separation of Variables
9/11 F	8		Diff. Equations: Separation of Variables
9/14 M			REVIEW FOR EXAM 1
9/16 W			OPTIONAL REVIEW FOR EXAM 1
9/16 W			EXAM 1 (Time: 8:00-9:30pm) - Location: TBA
9/18 F	9		First-Order Linear Differential Equations
9/21 M	10		First-Order Linear Differential Equations
9/23 W	11		Area of a Region Between two curves
9/25 F	12		Volume of Solids of Revolution
9/28 M	13		Volume of Solids of Revolution
9/30 W	14		Volume of Solids of Revolution
10/2 F	15		Improper Integrals
10/5 M	16		Geometric Series and Convergence
10/7 W	17		Geometric Series and Convergence
10/9 F	18		Functions of Several Variables Intro
10/12 M			<i>OCTOBER BREAK (no classes)</i>
10/14 W	19		Partial Derivatives
10/16 F	20		Partial Derivatives
10/19 M	21		Differentials of Multivariable Functions
10/21 W	22		Chain Rule, Functions of Several Variables
10/23 F			REVIEW FOR EXAM 2
10/26 M			OPTIONAL REVIEW FOR EXAM 2
10/26 M			EXAM 2 (Time: 8:00-9:30pm) - Location: TBA
10/28 W	23		Extrema of Functions of Two Variables
10/30 F	24		Extrema of Functions of Two Variables

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Date	Lesson	Quiz #	Assignment/Topics
11/2 M	25		LaGrange Multipliers - Constrained Min/Max
11/4 W	26		LaGrange Multipliers - Constrained Min/Max
11/6 F	27		Double Integrals, Volume, Applications
11/9 M	28		Double Integrals, Volume, Applications
11/11 W	29		Double Integrals, Volume, Applications
11/13 F	30		Systems of Equations, Matrices, Gaussian Elimination
11/16 M			REVIEW FOR EXAM 3
11/18 W			OPTIONAL REVIEW FOR EXAM 3
11/18 W			EXAM 3 (Time: 8:00-9:30pm) - Location: TBA
11/19 F	31		Gauss-Jordan Elimination
11/23 M	32		Matrix Operations
11/25 W			<i>THANKSGIVING VACATION (no classes)</i>
11/27 F			<i>THANKSGIVING VACATION (no classes)</i>
11/30 M	33		Inverses and Determinants of Matrices
12/2 W	34		Inverses and Determinants of Matrices
12/4 F	35		Eigenvalues and Eigenvectors
12/7 M	36		Eigenvalues and Eigenvectors
12/9 W			REVIEW FOR FINAL EXAM
12/11 F			REVIEW FOR FINAL EXAM
12/14 to 12/19			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, DECEMBER 19 AT 9:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY WILL NOT BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.