

MA 16020 Applied Calculus II
Calendar – Syllabus(Part I), Summer 2015

EXAM 1: Lessons 1 – 10 Exam 2: Lessons 11 – 17, Exam 3: Lessons 18 – 25

Date	Lesson	Qz #	Topics
6/15 M	1		Integration By Substitution
6/16 Tu	2		Integration By Substitution
6/17 W	3		The Natural Logarithmic Function: Integration
6/18 Th	4		Integration by Parts
6/19 F	5		Integration by Parts
6/22 M	6		Diff. Equations: Solutions, Growth and Decay
6/23 Tu	7		Diff. Equations: Separation of Variables
6/24 W	8		Diff. Equations: Separation of Variables
6/25 Th	9		First-Order Linear Differential Equations
6/26 F	10		First-Order Linear Differential Equations
6/29 F			REVIEW FOR EXAM 1
6/30 Tu			EXAM 1 (60 Minutes) - Location: IN CLASS
7/1 W	11		Area of a Region Between Two Curves
7/2 Th	12		Volume of Solids of Revolution
7/3 F			<i>INDEPENDENCE HOLIDAY OBSERVED (no classes)</i>
7/6 M	13		Volume of Solids of Revolution
7/7 Tu	14		Improper Integrals
7/8 W	15		Geometric Series and Convergence
7/9 Th	16		Functions of Several Variables Intro
7/10 F	17		Partial Derivatives
7/13 M			REVIEW FOR EXAM 2
7/14 Tu			**EXAM 2(90 minute exam starting 30 minutes before or at the normal class start time, your choice, more details will be sent).
7/15 W	18		Differentials of Multivariable Functions
7/16 Th	19		Chain Rule, Functions of Several Variables
7/17 F	20		Extrema of Functions of Two Variables
7/20 M	21		Applications of Extrema -Two Var. Functions
7/21 Tu	22		LaGrange Multipliers - Constrained Min/Max
7/22 W	23		Double Integrals
7/23 Th	24		Double Integrals, Volume, Applications
7/24 F	25		Systems of Equations, Matrices, Gaussian Elimination
7/27 F			REVIEW FOR EXAM 3
7/28 Tu			EXAM 3 (60 Minutes) - Location: IN CLASS
7/29 W	26		Gauss-Jordan Elimination
7/30 Th	27		Matrix Operations
7/31 F	28		Inverse Matrices, Determinants
8/3 M	29		Eigenvalues and Eigenvectors
8/4 Tu			REVIEW FOR FINAL EXAM
8/5 to 8/7			FINAL EXAMS (FRIDAY?)

THE SEMESTER DOES NOT END UNTIL FRIDAY, AUGUST 7 AT 5:30 PM. The date and time of the **2 hour** final exam will be announced during the semester. **INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY WILL NOT BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.**