

**MA 16020 Applied Calculus II – Distance Learning Section**  
**Calendar PLAN – Syllabus(Part I), Summer 2015**

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

<b>Date</b>	<b>Lesson</b>	<b>Topics</b>
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
<b>6/30 Tu</b>		<b>EXAM 1(90 minute exam between 10:00 AM and 2:00 PM)</b>
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
<b>7/14 Tu</b>		<b>EXAM 2(90 minute exam between 10:00 AM and 2:00 PM)</b>
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
<b>7/28 Tu</b>		<b>EXAM 3(90 minute exam between 10:00 AM and 2:00 PM)</b>
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
<b>8/5 to 8/7</b>		<b>FINAL EXAMS (FRIDAY?)</b>

**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.