

**MA 16020 Applied Calculus II – Distance Learning Section
Calendar – Syllabus(Part I), Summer 2018**

Exam 1: Lessons R – 8 Exam 2: Lessons 8 – 16 Exam 3: Lessons 17 – 25 Exam 4: Lessons 25 – 33

Date	Lesson	Topics
6/11 M	R	Review of Basic Integration
6/12 Tu	1&2	Integration By Substitution
6/13 W	3	The Natural Logarithmic Function: Integration
6/14 Th	4	Integration by Parts
6/15 F	5	Integration by Parts
6/18 M	6&7	Diff. Eqns: Solutions, Growth and Decay & Diff. Eqns: Separation of Variables
6/19 Tu	8	Diff. Equations: Separation of Variables
6/20 W	9	First-Order Linear Differential Equations & REVIEW FOR EXAM 1
6/21 Th		EXAM 1(60 minute exam – Time taken is somewhat flexible)
6/22 F	10	First-Order Linear Differential Equations
6/25 M	11	Area of a Region Between Two Curves
6/26 Tu	12&13	Volume of Solids of Revolution
6/27 W	14	Volume of Solids of Revolution
6/28 Th	15	Improper Integrals
6/29 F	16	Geometric Series and Convergence
7/2 M	17	Geometric Series and Convergence & REVIEW FOR EXAM 2
7/3 Tu		EXAM 2(60 minute exam – Time taken is somewhat flexible)
7/4 W		<i>INDEPENDENCE HOLIDAY OBSERVED (no classes)</i>
7/5 Th	18&19	Functions of Several Variables Intro & Partial Derivatives
7/6 F	20	Higher Order Partial Derivatives
7/9 M	21	Differentials of Multivariable Functions
7/10 Tu	22	Chain Rule for Functions of Several Variables
7/11 W	23	Extrema of Functions of 2 Variables
7/12 Th	24	Applications of Extrema -Two Var. Functions
7/13 F	25	LaGrange Multipliers - Constrained Min/Max
7/16 M	26	LaGrange Multipliers - Constrained Min/Max & REVIEW FOR EXAM 3
7/17 Tu		EXAM 3(60 minute exam – Time taken is somewhat flexible)
7/18 W	27&28	Double Integrals, Volume, Applications
7/19 Th	29	Double Integrals, Volume, Applications
7/20 F	30	Systems of Equations, Matrices, Gaussian Elimination
7/23 M	31&32	Gauss-Jordan Elimination & Matrix Operations
7/24 Tu	33	Inverse Matrices
7/25 W	34	Determinants of Matrices & REVIEW FOR EXAM 4
7/26 Th		EXAM 4(60 minute exam – Time taken is somewhat flexible)
7/27 F	35	Eigenvalues and Eigenvectors
7/30 M	36	Eigenvalues and Eigenvectors
7/31 Tu		REVIEW FOR FINAL EXAM
8/1 to 8/3		FINAL EXAMS (FRIDAY?)

THE SEMESTER DOES NOT END UNTIL FRIDAY, AUGUST 3 AT 5:30 PM.