MA 16020 Applied Calculus II – Distance/Online Learning Course
Calendar – Syllabus(Part I), Summer 2020

Exam 1: Lessons R – 8   Exam 2: Lessons 8 – 15   Exam 3: Lessons 16 – 25   Exam 4: Lessons 25 – 33
Homework is due on the dates listed below at 10:00pm Eastern Time, EDT, West Lafayette Time.

Date Due	Lesson	Topics
6/15 M	HW0	Entering Expressions in LON-CAPA & Basic Differentiation
6/16 Tu	R&1A	Review of Basic Integration & Integration By Substitution
6/17 W	1B	Integration By Substitution
6/18 Th	2	Integration By Substitution
6/19 F	3&4	The Natural Logarithmic Function: Integration & Integration by Parts
6/22 M	5	Integration by Parts
6/23 Tu	6&7	Diff. Eqns: Solutions, Growth and Decay & Diff. Eqns: Separation of Variables
6/24 W	8	Diff. Equations: Separation of Variables
6/25 Th		**EXAM 1(60 minute exam – Time taken is somewhat flexible)**
6/26 F	9	First-Order Linear Differential Equations
6/29 M	10	First-Order Linear Differential Equations
6/30 Tu	11	Area of a Region Between Two Curves
7/1 W	12	Volume of Solids of Revolution
7/2 Th	13&14	Volume of Solids of Revolution
7/3 F		***INDEPENDENCE HOLIDAY OBSERVED (no classes)***
7/6 M	15	Improper Integrals
7/7 Tu		**EXAM 2(60 minute exam – Time taken is somewhat flexible)**
7/8 W	16	Geometric Series and Convergence
7/9 Th	17	Geometric Series and Convergence
7/10 F	18&19	Functions of Several Variables Intro & Partial Derivatives
7/13 M	20	Higher Order Partial Derivatives
7/14 Tu	21	Differentials of Multivariable Functions
7/15 W	22	Chain Rule for Functions of Several Variables
7/16 Th	23	Extrema of Functions of 2 Variables
7/17 F	24	Extrema of Functions of 2 Variables
7/20 M	25	LaGrange Multipliers - Constrained Min/Max
7/21 Tu		**EXAM 3(60 minute exam – Time taken is somewhat flexible)**
7/22 W	26	LaGrange Multipliers - Constrained Min/Max
7/23 Th	27	Double Integrals, Volume, Applications
7/24 F	28&29	Double Integrals, Volume, Applications
7/27 M	30	Systems of Equations, Matrices, Gaussian Elimination
7/28 Tu	31&32	Gauss-Jordan Elimination & Matrix Operations
7/29 W	33	Inverse Matrices
7/30 Th		**EXAM 4(60 minute exam – Time taken is somewhat flexible)**
7/31 F	34&35	Determinants of Matrices & Eigenvalues and Eigenvectors
8/3 M	36	Eigenvalues and Eigenvectors
8/4 Tu		Study for Final Exam
8/5 to 8/7		**Final Exam will be Thursday 8/6, (100 minute exam – Time taken is somewhat flexible)**

THE SEMESTER DOES NOT END UNTIL FRIDAY, AUGUST 7 AT 5:30 PM.