MA 16020 Applied Calculus II – Distance/Online Learning Course
Calendar – Syllabus(Part I), Summer 2022
Exam 1: Lessons R1 – 10 Exam 2: Lessons 11 – 19 Exam 3: Lessons 20 – 30

Date	Lesson	Topics
6/13 M	R1&R2	Review of Basic Differentiation & Review of Basic Integration
6/14 Tu	1A	Integration By Substitution
6/15 W	1B – Q1	Integration By Substitution
6/16 Th	2	Integration By Substitution
6/17 F	3&4 – Q2	The Natural Logarithmic Function: Integration & Integration by Parts
6/20 M	5	Integration by Parts
6/21 Tu	6&7 – Q3	Diff. Eqns: Solutions, Growth and Decay & Diff. Eqns: Separation of Variables
6/22 W	8	Diff. Equations: Separation of Variables
6/23 Th	9 – Q4	First-Order Linear Differential Equations
6/24 F	10 – Q5	First-Order Linear Differential Equations
6/27 M	11	Area of a Region Between Two Curves & REVIEW FOR EXAM 1
6/28Tu		**EXAM 1(60 minute exam – On Campus 8:40am or 7:00pm Room: SC 246 OR Online where time taken is somewhat flexible)**
6/29W	12	Volume of Solids of Revolution
6/30Th	13 – Q6	Volume of Solids of Revolution
7/1 F	14	Volume of Solids of Revolution
7/4 M		***INDEPENDENCE HOLIDAY(no classes)***
7/5 Tu	15	Improper Integrals
7/6 W	16 – Q7	Geometric Series and Convergence
7/7 Th	17&18	Geometric Series and Convergence & Functions of Several Variables Intro
7/8 F	19 – Q8	Partial Derivatives
7/11 M	20	Higher Order Partial Derivatives & REVIEW FOR EXAM 2
7/12 Tu		**EXAM 2(60 minute exam – On Campus 8:40am or 7:00pm Room: SC 246 OR Online where time taken is somewhat flexible)**
7/13 W	21&22	Differentials of Multivariable Functions & Chain Rule Functns Several Variables
7/14 Th	23 – Q9	Extrema of Functions of 2 Variables
7/15 F	24 – Q10	Applications of Extrema -Two Variable Functions
7/18 M	25 – Q11	LaGrange Multipliers - Constrained Min/Max
7/19 Tu	26	LaGrange Multipliers - Constrained Min/Max
7/20 W	27&28–Q12	Double Integrals, Volume, Applications
7/21 Th	29	Double Integrals, Volume, Applications
7/22 F	30 – Q13	Systems of Equations, Matrices, Gaussian Elimination
7/25 M	31&32	Gauss-Jordan Elimination, Matrix Operations & REVIEW FOR EXAM 3
7/26 Tu		**EXAM 3(60 minute exam – On Campus 8:40am or 7:00pm Room: SC 246 OR Online where time taken is somewhat flexible)**
7/27 W	33	Inverse Matrices
7/28 Th	34 – Q14	Determinants of Matrices
7/29 F	35 – Q15	Eigenvalues and Eigenvectors
8/1 M		REVIEW FOR FINAL EXAM
8/2 Tu		REVIEW FOR FINAL EXAM
8/4 Thursday		**FINAL EXAM (THURSDAY, 8/4)**