MA 16020 Applied Calculus II – Traditional On Campus Calendar – Syllabus(Part I), Summer 2022 Exam 1: Lessons R1 – 10 Exam 2: Lessons 11 – 19 Exam 3: Lessons 20 – 30

Date 6/13 M 6/14 Tu 6/15 W 6/16 Th 6/17 F	Lesson R1&R2 1A 1B 2 3&4	Topics Review of Basic Differentiation & Review of Basic Integration Integration By Substitution Integration By Substitution Integration By Substitution The Natural Logarithmic Function: Integration & Integration by Parts
6/20 M 6/21 Tu 6/22 W 6/23 Th 6/24 F	5 6& <mark>7</mark> 8 9 10	Integration by Parts Diff. Eqns: Solutions, Growth and Decay & Diff. Eqns: Separation of Variables Diff. Equations: Separation of Variables First-Order Linear Differential Equations First-Order Linear Differential Equations
6/27 M 6/28Tu 6/29W 6/30Th 7/1 F	11 12 13 14	Area of a Region Between Two Curves & REVIEW FOR EXAM 1 EXAM 1(60 minute exam during the regular class time; Room: SC 246 Volume of Solids of Revolution Volume of Solids of Revolution Volume of Solids of Revolution
7/4 M 7/5 Tu 7/6 W 7/7 Th 7/8 F	15 16 17& <mark>18</mark> 19	INDEPENDENCE HOLIDAY(no classes) Improper Integrals Geometric Series and Convergence Geometric Series and Convergence & Functions of Several Variables Intro Partial Derivatives
7/11 M 7/12 Tu 7/13 W 7/14 Th 7/15 F	20 21& <mark>22</mark> 23 24	Higher Order Partial Derivatives & REVIEW FOR EXAM 2 EXAM 2(60 minute exam during the regular class time; Room: SC 246 Differentials of Multivariable Functions & Chain Rule Functors Several Variables Extrema of Functions of 2 Variables Applications of Extrema -Two Variable Functions
7/18 M 7/19 Tu 7/20 W 7/21 Th 7/22 F	25 26 27& <mark>28</mark> 29 30	LaGrange Multipliers - Constrained Min/Max LaGrange Multipliers - Constrained Min/Max Double Integrals, Volume, Applications Double Integrals, Volume, Applications Systems of Equations, Matrices, Gaussian Elimination
7/25 M 7/26Tu 7/27 W 7/28 Th 7/29 F	31& <mark>32</mark> 33 34 35	Gauss-Jordan Elimination, Matrix Operations & REVIEW FOR EXAM 3 EXAM 3(60 minute exam during the regular class time; Room: SC 246 Inverse Matrices Determinants of Matrices Eigenvalues and Eigenvectors
8/1 M 8/2 Tu 8/4 Thursday		REVIEW FOR FINAL EXAM REVIEW FOR FINAL EXAM FINAL EXAM (THURSDAY, 8/4 at 3:30 PM); Room: SC 246