# Calendar – Syllabus (Part I), Summer 2019

## Exam 1: Lessons R – 8
- **6/10 M** R&1A Review of Basic Integration & Integration By Substitution
- **6/11 Tu** 1B Integration By Substitution
- **6/12 W** 2&3 Integration By Substitution & The Natural Logarithmic Function: Integration
- **6/13 Th** 4 Integration by Parts
- **6/14 F** 5 Integration by Parts
- **6/17 M** 6&7 Diff. Eqns: Solutions, Growth and Decay & Diff. Eqns: Separation of Variables
- **6/18 Tu** 8 Diff. Equations: Separation of Variables
- **6/19 W** 9 First-Order Linear Differential Equations & REVIEW FOR EXAM 1
- **6/20 Th** **EXAM 1** *(60 minute exam during the regular class time; Room: HAMP 3144)*
- **6/21 F** 10 First-Order Linear Differential Equations
- **6/24 M** 11 Area of a Region Between Two Curves
- **6/25 Tu** 12&13 Volume of Solids of Revolution
- **6/26 W** 14 Volume of Solids of Revolution
- **6/27 Th** 15 Improper Integrals
- **6/28 F** 16 Geometric Series and Convergence
- **7/1 M** 17 Geometric Series and Convergence & REVIEW FOR EXAM 2
- **7/2 Tu** **EXAM 2** *(60 minute exam during the regular class time; Room: HAMP 3144)*
- **7/3 W** 18&19 Functions of Several Variables Intro & Partial Derivatives
- **7/4 Th** **INDEPENDENCE HOLIDAY OBSERVED (no classes)**
- **7/5 F** 20 Higher Order Partial Derivatives
- **7/8 M** 21 Differentials of Multivariable Functions
- **7/9 Tu** 22 Chain Rule for Functions of Several Variables
- **7/10 W** 23 Extrema of Functions of 2 Variables
- **7/11 Th** 24 Applications of Extrema -Two Var. Functions
- **7/12 F** 25 LaGrange Multipliers - Constrained Min/Max
- **7/15 M** 26 LaGrange Multipliers - Constrained Min/Max & REVIEW FOR EXAM 3
- **7/16 Tu** **EXAM 3** *(60 minute exam during the regular class time; Room: HAMP 3144)*
- **7/17 W** 27&28 Double Integrals, Volume, Applications
- **7/18 Th** 29 Double Integrals, Volume, Applications
- **7/19 F** 30 Systems of Equations, Matrices, Gaussian Elimination
- **7/22 M** 31&32 Gauss-Jordan Elimination & Matrix Operations
- **7/23 Tu** 33 Inverse Matrices
- **7/24 W** 34 Determinants of Matrices & REVIEW FOR EXAM 4
- **7/25 Th** **EXAM 4** *(60 minute exam during the regular class time; Room: HAMP 3144)*
- **7/26 F** 35 Eigenvalues and Eigenvectors
- **7/29 M** 36 Eigenvalues and Eigenvectors
- **7/30 Tu** REVIEW FOR FINAL EXAM
- **7/31 to 8/2** **FINAL EXAMS (FRIDAY?)**

**THE SEMESTER DOES NOT END UNTIL FRIDAY, AUGUST 2 AT 5:30 PM.**