MA 16020 Applied Calculus II – IMPACT Course
Calendar – Syllabus(Part I), Fall 2017

<mark>EXAM 1: Lessons R-6, Exam 2: Lessons 7-14, Exam 3: Lessons 14-21
EXAM 4: Lessons 20-26, Exam 5: Lessons 25-32</mark>

SAME number of lessons, SAME homework assignments, SAME exams as traditional sections of the course. On average more time after topics are covered in class to internalize material before homework is due and exams are taken AND 1 or 2 quizzes every class meeting. MUST ATTEND CLASS CONSISTENTLY.

**NOTE: You absolutely MUST do the given Prework consistently and proactively, which is sent in emails to the IMPACT students, but the course has the same overall workload as for the traditional students.

Date	Lesson	Quiz #	Assignment/Topics
8/21 M	R&1		Review of Basic Integration & Integration By Substitution
8/23 W	1&2		Integration By Substitution
8/28 M	3&4		The Natural Logarithmic Function: Integration & Integration by Parts
8/30 W	5&6		Integration by Parts & Diff. Equations: Solutions, Growth and Decay
9/4 M			*LABOR DAY (no classes)*
9/6 W	6&7		Diff. Equations: Solutions, Growth and Decay & Diff. Equations: Separation of Variables
*9/11 M	*********		***EXAM 1 – Normal Class time - Location: Computer Lab TBA**
9/13 W	8&9		Diff. Equations: Separation of Variables & First-Order Linear Differential Equations
9/18 M	10&11		First-Order Linear Diff. Equations & Area of a Region Between two curves
9/20 W	11&12		Area of a Region Between two curves & Volume of Solids of Revolution
9/25 M	13&14		Volume of Solids of Revolution
9/27 W	14&15		Volume of Solids of Revolution & Improper Integrals
*10/2 M	*********		***EXAM 2 – Normal Class time - Location: Computer Lab TBA**
10/4 W	16&17		Geometric Series and Convergence
10/9 M			*OCTOBER BREAK (no classes)*
10/11 W	18&19		Functions of Several Variables Intro & Partial Derivatives
10/16 W	20&21		Partial Derivatives & Differentials of Multivariable Functions
10/18 W	21&22		Differentials of Multivariable Functions & Chain Rule, Functions of Several Variables
*10/23M	*********		***EXAM 3 – Normal Class time - Location: Computer Lab TBA**
10/25 W	23&24		Extrema of Functions of Two Variables

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10/30 M	25&26		LaGrange Multipliers - Constrained Min/Max
11/1 W	26&27		LaGrange Multipliers - Constrained Min/Max & Double Integrals, Volume, Applications
*11/6 M	*********		***EXAM 4 – Normal Class time - Location: Computer Lab TBA**
11/8 W	28&29		Double Integrals, Volume, Applications
11/13 M	30&31		Systems of Equations, Matrices, Gaussian Elimination & Gauss-Jordan Elimination
11/15 W	31&32		Gauss-Jordan Elimination & Matrix Operations
11/20 W	33		Inverses and Determinants of Matrices
11/22 W			*THANKSGIVING VACATION (no classes)*
*11/27M	*********		***EXAM 5 – Normal Class time - Location: Computer Lab TBA**
11/29 W	34&35		Inverses and Determinants of Matrices & Eigenvalues and Eigenvectors
12/4 M	36		Eigenvalues and Eigenvectors
12/6 W			REVIEW FOR FINAL EXAM
12/11 to 12/16			**WEEK OF FINAL EXAMS**

**SPECIAL NOTE: The date and time of the final exam will be announced during the semester.
THE SEMESTER DOES NOT END UNTIL SATURDAY, DECEMBER 16 AT 5:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.