IMPACT – MA 16020 Applied Calculus II – IMPACT Course Calendar – Syllabus(Part I), Fall 2016

EXAM 1: Lessons 1-7, Exam 2: Lessons 6-12, Exam 3: Lessons 12-18
EXAM 4: Lessons 18-23, Exam 5: Lessons 23-28, Exam 6: Lessons 27-32

SAME number of lessons, SAME homework assignments, SAME exams as traditional sections of the course. Just a different course structure, some homework assignments will have different due dates and times, AND 1 or 2 quizzes every class meeting. MUST ATTEND CLASS. NOTE: You absolutely must do the Prework sent in emails to the IMPACT students consistently and proactively, but it is the same workload as for the traditional students.

Date	Lesson	Quiz #	Assignment/Topics
8/22 M	1&2		Integration By Substitution
8/24 W	2&3		Integration By Substitution & The Natural Logarithmic Function: Integration
8/29 M	4&5		Integration by Parts
8/31 W	6&7		Diff. Equations: Solutions,Growth and Decay & Diff. Equations: Separation of Variables
9/5 M			*LABOR DAY (no classes)*
9/7 W	8		Diff. Equations: Separation of Variables
*9/12 M	*********		****EXAM 1 – Normal Class time - Location: Computer Lab TBA**
9/14 W	9&10		First-Order Linear Differential Equations
9/19 M	11&12		Area of a Region Between two curves & Volume of Solids of Revolution
9/21 W	13		Volume of Solids of Revolution
*9/26 M	*********		****EXAM 2 – Normal Class time - Location: Computer Lab TBA**
9/28 W	14&15		Volume of Solids of Revolution & Improper Integrals
10/3 M	16&17		Geometric Series and Convergence
10/5 W	18&19		Functions of Several Variables Intro & Partial Derivatives
10/10 M			*OCTOBER BREAK (no classes)*
10/12 W	19&20		Partial Derivatives
*10/17 M	*********		****EXAM 3 – Normal Class time - Location: Computer Lab TBA**
10/19 W	21&22		Differentials of Multivariable Functions & Chain Rule, Functions of Several Variables
10/24 M	23&24		Extrema of Functions of Two Variables
10/26 W	25		LaGrange Multipliers - Constrained Min/Max
*10/31 M	*********		****EXAM 4 – Normal Class time - Location: Computer Lab TBA**
11/2 W	26&27		LaGrange Multipliers - Constrained Min/Max & Double Integrals, Volume, Applications

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Date	Lesson	Quiz #	Assignment/Topics
11/7 M	28&29		Double Integrals, Volume, Applications
11/9 W	30		Systems of Equations, Matrices, Gaussian Elimination
*11/14 M	*********		****EXAM 5 – Normal Class time - Location: Computer Lab TBA**
11/16 W	31&32		Gauss-Jordan Elimination & Matrix Operations
11/21 M	33		Inverses and Determinants of Matrices
11/23 W			*THANKSGIVING VACATION (no classes)*
*11/28 M	*********		****EXAM 6 – Normal Class time - Location: Computer Lab TBA**
11/30 W	34&35		Inverses and Determinants of Matrices & Eigenvalues and Eigenvectors
12/5 M	36		Eigenvalues and Eigenvectors
12/7 W			REVIEW FOR FINAL EXAM
12/12 to 12/17			**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 17 AT 9:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY <u>**WILL NOT**</u> BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.