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

EXAM 1: Lessons R-6, Exam 2: Lessons 7-13, Exam 3: Lessons 13-19
EXAM 4: Lessons 18-24, Exam 5: Lessons 25-32

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

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Date	Lesson	Quiz #	Assignment/Topics
3/20 M	23&24		Extrema of Functions of Two Variables
3/22 W	25		LaGrange Multipliers - Constrained Min/Max
*3/27 M	*********		****EXAM 4 – Normal Class time - Location: Computer Lab TBA**
3/29 W	26&27		LaGrange Multipliers - Constrained Min/Max & Double Integrals, Volume, Applications
4/3 M	28		Double Integrals, Volume, Applications
4/5 W	29&30		Double Integrals, Volume, Applications & Systems of Equations, Matrices, Gaussian Elimination
4/10 M	31&32		Gauss-Jordan Elimination & Matrix Operations
4/12 W	33		Inverses and Determinants of Matrices
*4/17 M	*********		****EXAM 5 – Normal Class time - Location: Computer Lab TBA**
4/19 W	34&35		Inverses and Determinants of Matrices & Eigenvalues and Eigenvectors
4/24 M	36		Eigenvalues and Eigenvectors
4/26 W			REVIEW FOR FINAL EXAM
5/1 to 5/6			**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, MAY 6 AT 5:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.