

IMPACT – MA 16020 Applied Calculus II – IMPACT Course Calendar – Syllabus(Part I), Spring 2018

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. 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 Prewrite 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
1/8 M	R&1		Review of Basic Integration & Integration By Substitution
1/10 W	1&2		Integration By Substitution
1/15 M			<i>MARTIN LUTHER KING JR. DAY (no classes)</i>
1/17 W	3&4		The Natural Logarithmic Function: Integration & Integration by Parts
1/22 M	5&6		Integration by Parts & Diff. Equations: Solutions, Growth and Decay
1/24 W	6&7		Diff. Equations: Solutions, Growth and Decay & Separation of Variables
*1/29 M	*****		**EXAM 1 – Normal Class time - Location: Computer Lab TBA
1/31 W	8&9		Diff. Equations: Separation of Variables & First-Order Linear Differential Equations
2/5 M	10&11		First-Order Linear Diff. Equations & Area of a Region Between two curves
2/7 W	11&12		Area of a Region Between two curves & Volume of Solids of Revolution
2/12 M	13&14		Volume of Solids of Revolution
2/14 W	14&15		Volume of Solids of Revolution & Improper Integrals
2/19 M	*****		**EXAM 2 – Normal Class time - Location: Computer Lab TBA
2/21 W	16&17		Geometric Series and Convergence
2/26 M	18&19		Functions of Several Variables Intro & Partial Derivatives
2/28 W	19&20		Partial Derivatives
*3/5 M	*****		**EXAM 3 – Normal Class time - Location: Computer Lab TBA
3/7 W	21&22		Differentials of Multivariable Functions & Chain Rule, Functions of Several Variables
3/12 M			SPRING BREAK VACATION (no classes)
3/14 W			SPRING BREAK VACATION (no classes)
3/16 F			SPRING BREAK VACATION (no classes)

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3/19 M	23&24		Extrema of Functions of Two Variables
3/21 W	24&25		Extrema of Functions of Two Variables & LaGrange Multipliers - Constrained Min/Max
*3/26 M	*****		**EXAM 4 – Normal Class time - Location: Computer Lab TBA
3/28 W	26&27		LaGrange Multipliers - Constrained Min/Max & Double Integrals, Volume, Applications
4/2 M	28&29		Double Integrals, Volume, Applications
4/4 W	29&30		Double Integrals, Volume, Applications & Systems of Equations, Matrices, Gaussian Elimination
4/9 M	31&32		Gauss-Jordan Elimination & Matrix Operations
4/11 W	33&34		Inverses and Determinants of Matrices
*4/16 M	*****		**EXAM 5 – Normal Class time - Location: Computer Lab TBA
4/18 W	34&35		Inverses and Determinants of Matrices & Eigenvalues and Eigenvectors
4/23 M	36		Eigenvalues and Eigenvectors
4/25 W			REVIEW FOR FINAL EXAM
4/30 to 5/5			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 5 AT 5:00 PM.** INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.