

MA 16020 Applied Calculus II – IMPACT/Hybrid Course

Calendar – Syllabus(Part I), Fall 2019

Exam Coverage --- Exam 1: Lessons R-5, Exam 2: Lessons 6-13, Exam 3: Lessons 14-22, Exam 4: Lessons 23-32

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**, also 1 or 2 quizzes every class meeting. **Must attend class consistently.**

****Note: You absolutely MUST do the assigned Pework consistently and proactively**, which is sent in emails to the IMPACT students, however **the Pework is simply a subset of the normal coursework**, so the IMPACT course has the same overall workload as for the traditional students.

Date	Lesson	Quiz #	Assignment/Topics
8/19 M	R&1A		Review of Basic Integration & Integration By Substitution
8/21 W	1B&2		Integration By Substitution
8/26 M	2&3		Integration By Substitution & The Natural Logarithmic Function: Integration
8/28 W	4&5		Integration by Parts
9/2 M			LABOR DAY – NO CLASSES
9/4 W	5&6		Integration by Parts & Diff. Equations: Solutions, Growth and Decay & Separation of Variables
9/9 M			NO CLASSES
*9/9 M	*****		EXAM 1 – Time: 8:00PM – 9:15pm – Location: To Be Announced
9/11 W	7&8		Diff. Equations: Separation of Variables
9/16 M	9&10		First-Order Linear Differential Equations
9/18 W	10&11		First-Order Linear Differential Equations & Area of a Region Between two curves
9/23 M	12&13		Volume of Solids of Revolution
9/25 W	13&14		Volume of Solids of Revolution
9/30 M			NO CLASSES
*9/30 M	*****		EXAM 2 – Time: 8:00PM – 9:15pm – Location: To Be Announced
10/2 W	15&16		Improper Integrals & Geometric Series and Convergence
10/7 M			OCTOBER BREAK – NO CLASSES
10/9 W	17&18		Geometric Series and Convergence & Functions of Several Variables Intro
10/14 M	19&20		Partial Derivatives
10/16 W	20&21		Partial Derivatives & Differentials of Multivariable Functions &
10/21 M	22&23		Chain Rule, Functions of Several Variables & Extrema of Functions of Two Variables
10/23 W	23&24		Extrema of Functions of Two Variables
*10/24 Th	*****		EXAM 3 – Time: 8:00PM – 9:15pm – Location: To Be Announced

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10/28 M	24&25		Extrema of Functions of Two Variables & LaGrange Multipliers-Constrained Min/Max
10/30 M	25&26		LaGrange Multipliers - Constrained Min/Max
11/4 M	27&28		Double Integrals, Volume, Applications
11/6 W	28&29		Double Integrals, Volume, Applications
11/11 M	30&31		Systems of Equations, Matrices, Gaussian Elimination & Gauss-Jordan Elimination
11/13 W	31&32		Gauss-Jordan Elimination & Matrix Operations
11/18 M	33&34		Inverses and Determinants of Matrices
11/20 W			NO CLASSES
*11/20 W	*****		EXAM 4 – Time: 8:00PM – 9:15pm – Location: To Be Announced
11/25 M			NO CLASSES
11/27 W			THANKSGIVING BREAK VACATION – NO CLASSES
12/2 M	35&36		Eigenvalues and Eigenvectors
12/4 W	36		Eigenvalues and Eigenvectors & REVIEW FOR FINAL EXAM
12/9 to 12/14			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 14 AT 9:00 PM.** INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.