MA 16020 Applied Calculus II – IMPACT/Hybrid Course
Calendar – Syllabus(Part I), Fall 2020

Exam Coverage --- Exam 1: Lessons R-6, Exam 2: Lessons 6-15, Exam 3: Lessons 16-23, Exam 4: Lessons 23-31

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 per week.

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

This Calendar - Syllabus(Part I) will be emended and updated as needed during the semester.

Date	Lesson	Quiz #	Assignment/Topics
8/24 M	R&1A		Review of Basic Integration & Integration By Substitution
8/26 W	1A&1B		Integration By Substitution
8/31 M	2&3		Int By Substitution & The Natural Logarithmic Function: Integration
9/2 W	3&4		The Natural Logarithmic Function: Integration & Integration by Parts
9/7 M	5&6		Integration by Parts & Diff. Equations: Solutions, Growth and Decay & Separation of Variables
9/9 W	6&7		Diff. Equations: Solutions, Growth and Decay & Separation of Variables
***9/14 m**	*********		**EXAM 1 – Time: 8:00PM – 60 minute exam – Location: TBA**
9/14 M			**NO CLASSES**
9/16 W	8&9		Diff. Equations: Separation of Variables & First-Order Linear Differential Equations
9/21 M	10&11		First-Order Linear Differential Equations & Area of a Region Between two curves
9/23 W	11&12		First-Order Linear Differential Equations&Volume of Solids of Revolution
9/28 M	13&14		Volume of Solids of Revolution
9/30 W	14&15		Volume of Solids of Revolution & Improper Integrals
10/5 M	16&17		Geometric Series and Convergence
***10/7 W**	*********		**EXAM 2 – Time: 8:00PM – 60 minute exam – Location: TBA**
10/7 W			**NO CLASSES**
10/12 M	18&19		Functions of Several Variables Intro & Partial Derivatives
10/14 W	19&20		Partial Derivatives
10/19 M	21&22		Differentials of Multivariable Functions& Chain Rule
10/21 W	22&23		Chain Rule, Functions of Several Variables & Extrema of Functions of Two Variables

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10/26 M	24&25		Extrema of Functions of Two Variables & LaGrange Multipliers - Constrained Min/Max
10/28 W			**NO CLASSES**
***10/28 W**	*****		**EXAM 3 – Time: 8:00PM – 60 minute exam – Location: TBA**
11/2 M	26&27		LaGrange Multipliers - Constrained Min/Max & Double Integrals, Volume, Applications
11/4 W	27&28		Double Integrals, Volume, Applications
11/9 M	29&30		Double Integrals, Volume, Applications & Systems of Equations, Matrices, Gaussian Elimination
11/11 W	30&31		Systems of Equations, Matrices, Gaussian Elimination & Gauss-Jordan Elimination
11/16 M	32&33		Matrix Operations & Inverses and Determinants of Matrices
***11/18 W**	*****		**EXAM 4 – Time: 8:00PM – 60 minute exam – Location: TBA**
11/18 W			**NO CLASSES**
11/23 M	34&35		Inverses and Determinants of Matrices
******	*****		**NO MORE ON CAMPUS CLASSES**
11/25 W			*THANKSGIVING BREAK VACATION* **– NO CLASSES**
11/30 M	35&36		Eigenvalues and Eigenvectors – Learning done Online
12/2 W			FINAL Quiz(zes)
12/7to 12/12			**WEEK OF FINAL** Quiz(zes)

****SPECIAL NOTE: THE SEMESTER DOES NOT END UNTIL SATURDAY, DECEMBER 12 AT 9:00 PM**.