MA 16020 Applied Calculus II– IMPACT/Hybrid MW course structure Calendar – Syllabus(Part I), Fall 2021

<mark>Exam Coverage -- Exam 1: Lessons R-8, Exam 2: Lessons 9-21, Exam 3: Lessons 21-31</mark>

SAME number of lessons, SAME homework assignments, SAME exams as traditional & distance/online sections of the course. **MORE TIME after topics are covered in class to internalize and study 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/Hybrid students, however **the Prework is simply a subset of the normal Homework/Coursework, so the IMPACT/Hybrid course has the **SAME OVERALL WORKLOAD** as for the traditional & online/distance students.

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

Date	Lesson	Quiz #	Assignment/Topics
8/23 M	R&1A		Review of Basic Integration & Integration By Substitution
8/25 W	1A&1B		Integration By Substitution
8/27 F			No class – Independent Study
8/30 M	2&3		Int By Substitution & The Natural Logarithmic Function: Integration
9/1 W	3&4		The Natural Logarithmic Function: Integration & Integration by Parts
9/3 F			No class – Independent Study
9/6 M			*LABOR DAY* – **NO CLASSES**
9/8 W	5&6		Integration by Parts & Diff. Equations: Solutions, Growth and Decay & Separation of Variables
9/10 F			No class – Independent Study
9/13 M	7&8		Diff. Equations: Separation of Variables
9/15 W	8&9		Diff. Equations: Sep of Varibls & First-Order Linear Differential Equations
9/17 F			No class – Independent Study
*9/20 M	*********		**EXAM 1 – Time: 8:00PM – 90 minute exam – Exam Room: TBA**
9/20 M			**NO CLASSES**
9/22 W	10&11		First-Order Linear Diff. Eqns & Area of a Region Between two curves
9/24 F			No class – Independent Study
9/27 M	12&13		Volume of Solids of Revolution
9/29 W	13&14		Volume of Solids of Revolution
10/1 F			No class – Independent Study
10/4 M	15&16		Improper Integrals & Geometric Series and Convergence
10/6 W	16&17		Geometric Series and Convergence
10/8 F			No class – Independent Study
10/11 M			*OCTOBER BREAK* – **NO CLASSES**
10/13 W	18&19		Functions of Several Variables Intro & Partial Derivatives
10/15 F			No class – Independent Study
10/18 M	20&21		Partial Derivatives
10/20 W	21&22		Differentials of Multivariable Functions & Chain Rule
10/22 F			No class – Independent Study

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Date	Lesson	Quiz #	Assignment/Topics
*10/25 M	*********		**EXAM 2 – Time: 8:00PM – 90 minute exam – Exam Room: TBA**
10/25 M			**NO CLASSES**
10/27 W	23&24		Extrema of Functions of Two Variables
10/29 F			No class – Independent Study
11/1 M	25&26		LaGrange Multipliers - Constrained Min/Max
11/3 W	26&27		LaGrange Multipliers - Constrained Min/Max & Double Integrals, Volume, Applications
11/5 F			No class – Independent Study
11/8 M	28&29		Double Integrals, Volume, Applications
11/10 W	29&30		Double Integrals, Volume, Applications & Systems of Equations, Matrices, Gaussian Elimination
11/12 F			No class – Independent Study
11/15 M	31&32		Gauss-Jordan Elimination & Matrix Operations
11/17 W	32		Matrix Operations & Exam 3 Review
*11/18 Th	*********		**EXAM 3 – Time: 8:00PM – 90 minute exam – Exam Room: TBA**
11/19 F			**NO CLASSES**
11/22 M			**NO CLASSES**
11/24 W			*THANKSGIVING BREAK VACATION* **– NO CLASSES**
11/26 F			*THANKSGIVING BREAK VACATION* **– NO CLASSES**
11/29 M	33&34		Inverses and Determinants of Matrices
12/1 M	34&35		Inverses and Determinants of Matrices & Eigenvalues and Eigenvectors
12/3 F			No class – Independent Study
12/6 M	36		Eigenvalues and Eigenvectors
12/8 W			REVIEW FOR FINAL EXAM
12/13 to 12/18			**WEEK OF FINAL EXAMS – Final Exam - ??day, December ?? – ??:??**

** SPECIAL NOTE: THE SEMESTER DOES NOT END UNTIL SATURDAY, DECEMBER 18 AT 9:00 PM.
** Individuals wanting to leave campus early **WILL NOT** be granted early Final Exams to accommodate travel plans.
** The date and time of the final exam will be announced during the semester.