MA 16020 Applied Calculus II – IMPACT/Hybrid Course
Calendar – Syllabus(Part I), Spring 2019

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 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.

Date	Lesson	Quiz #	Assignment/Topics
1/7 M	R&1A		Review of Basic Integration & Integration By Substitution
1/9 W	1B&2		Integration By Substitution
1/14 M	2&3		Integration By Substitution & The Natural Logarithmic Function: Integration
1/16 W	4&5		Integration by Parts
1/21 M			*MARTIN LUTHER KING JR. DAY* – **NO CLASSES**
1/23 W	5&6		Integration by Parts & Diff. Equations: Solutions, Growth and Decay & Separation of Variables
1/28 M			**NO CLASSES**
*1/28 M	*****		**EXAM 1 – Time: 8:00PM** – 9:15pm – **Location: ELLT 116**
1/30 W	7&8		Diff. Equations: Separation of Variables
2/4 M	9&10		First-Order Linear Differential Equations
2/6 W	10&11		First-Order Linear Differential Equations & Area of a Region Between two curves
2/11 M	12&13		Volume of Solids of Revolution
2/13 W	13&14		Volume of Solids of Revolution
2/18 M	15&16		Improper Integrals & Geometric Series and Convergence
2/20 W	16&17		Geometric Series and Convergence
2/25 M			**NO CLASSES**
*2/25 M	*****		**EXAM 2 – Time: 8:00PM** – 9:15pm – **Location: ELLT 116**
2/27 W	18&19		Functions of Several Variables Intro & Partial Derivatives
3/4 M	20&21		Partial Derivatives & Differentials of Multivariable Functions
3/6 W	21&22		Differentials of Multivariable Functions & Chain Rule, Functions of Several Variables
3/11 to	3/15		**SPRING BREAK – NO CLASSES**

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Date	Lesson	Quiz #	Assignment/Topics
3/18 M	23&24		Extrema of Functions of Two Variables
3/20 W	24&25		Extrema of Functions of Two Variables & LaGrange Multipliers - Constrained Min/Max
3/25 M	26&27		LaGrange Multipliers - Constrained Min/Max & Double Integrals, Volume, Applications
*3/26 Tu	*********		**EXAM 3 – Time: 8:00PM –** 9:15pm **– Location: ELLT 116**
3/27 W			**NO CLASSES**
4/1 M	28&29		Double Integrals, Volume, Applications
4/3 W	29&30		Double Integrals, Volume, Applications & Systems of Equations, Matrices, Gaussian Elimination
4/8 M	31&32		Gauss-Jordan Elimination & Matrix Operations
4/10 W	32&33		Matrix Operations & Inverses and Determinants of Matrices
4/15 M			**NO CLASSES**
*4/15 M	*********		**EXAM 4 – Time: 8:00PM –** 9:15pm **– Location: ELLT 116**
4/17 W	34&35		Inverses and Determinants of Matrices & Eigenvalues and Eigenvectors
4/22 M	36		Eigenvalues and Eigenvectors
4/24 W			REVIEW FOR FINAL EXAM
4/29 to 5/4			**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 4 AT 5:00 PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.