MA 16020 Applied Calculus II – Distance/online Learning Course
FULLY ONLINE - OFF CAMPUS VERSION, section 903
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 exam content as traditional sections of the course. Just a different course structure, no class meetings, Quizzes will be different, must independently use video lectures in LON-CAPA, and use other learning resources.

Note: Must be a self-motivated, proactive, and reasonably strong mathematics student.

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

Date	Lesson	Quiz #	Assignment/Topics
8/24 M	R		Review of Basic Integration
8/26 W	1A		Integration By Substitution
8/28 F	1B		Integration By Substitution
8/31 M	2		Integration By Substitution
9/2 W	3		The Natural Logarithmic Function: Integration
9/4 F	4		Integration by Parts
9/7 M	5		Integration by Parts
9/9 W	6		Diff. Equations: Solutions, Growth and Decay & Separation of Variables
9/11 F	7		Diff. Equations: Separation of Variables
***9/14 M**	*********		**EXAM 1 – Time taken is somewhat flexible**
9/14 M			**NO CLASSES**
9/16 W	8		Diff. Equations: Separation of Variables
9/18 F	9		First-Order Linear Differential Equations
9/21 M	10		First-Order Linear Differential Equations
9/23 W	11		Area of a Region Between two curves
9/25 F	12		Volume of Solids of Revolution
9/28 M	13		Volume of Solids of Revolution
9/30 W	14		Volume of Solids of Revolution
10/2 F	15		Improper Integrals
10/5 M	16		Geometric Series and Convergence
***10/7 W**	*********		**EXAM 2 – Time taken is somewhat flexible**
10/7 W			**NO CLASSES**
10/9 F	17		Geometric Series and Convergence
10/12 M	18		Functions of Several Variables Intro
10/14 W	19		Partial Derivatives
10/16 F	20		Partial Derivatives
10/19 M	21		Differentials of Multivariable Functions
10/21 W	22		Chain Rule, Functions of Several Variables
10/23 F	23		Extrema of Functions of Two Variables

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10/26 M	24		Extrema of Functions of Two Variables
***10/28 W**	*****		**EXAM 3 – Time taken is somewhat flexible**
10/28 W			**NO CLASSES**
10/30 F	25		LaGrange Multipliers - Constrained Min/Max
11/2 M	26		LaGrange Multipliers - Constrained Min/Max
11/4 W	27		Double Integrals, Volume, Applications
11/6 F	28		Double Integrals, Volume, Applications
11/9 M	29		Double Integrals, Volume, Applications
11/11 W	30		Systems of Equations, Matrices, Gaussian Elimination
11/13 F	31		Gauss-Jordan Elimination
11/16 M	32		Matrix Operations
***11/18 W**	*****		**EXAM 4 – Time taken is somewhat flexible**
11/18 W			**NO CLASSES**
11/20 F	33		Inverses and Determinants of Matrices
11/23 M	34		Inverses and Determinants of Matrices
11/25 W			*THANKSGIVING BREAK VACATION* – **NO CLASSES**
11/27 F			*THANKSGIVING BREAK VACATION* – **NO CLASSES**
11/30 M	35		Eigenvalues and Eigenvectors
12/2 W	36		Eigenvalues and Eigenvectors
12/4 F			FINAL Quiz(zes)
12/7 to 12/12			**WEEK OF FINAL** Quiz(zes)

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