MA 16020 Applied Calculus II – Distance Learning Course
Calendar – Syllabus(Part I), Spring 2019

Exam Coverage --- Exam 1: Lessons R-5, Exam 2: Lessons 6-16, Exam 3: Lessons 16-25, Exam 4: Lessons 25-32

SAME number of lessons, SAME homework assignments, SAME exams as traditional sections of the course. Just a different course structure, no class meetings other than exams, NO quizzes, 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.

Date	Lesson	Quiz #	Assignment/Topics
1/7 M	R		Review of Basic Integration
1/9 W	1A		Integration By Substitution
1/11 F	1B		Integration By Substitution
1/14 M	2		Integration By Substitution
1/16 W	3		The Natural Logarithmic Function: Integration
1/18 F	4		Integration by Parts
1/21 M			*MARTIN LUTHER KING JR. DAY* **– NO CLASSES**
1/23 W	5		Integration by Parts
1/25 F	6		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		Diff. Equations: Separation of Variables
2/1 F	8		Diff. Equations: Separation of Variables
2/4 M	9		First-Order Linear Differential Equations
2/6 W	10		First-Order Linear Differential Equations
2/8 F	11		Area of a Region Between two curves
2/11 M	12		Volume of Solids of Revolution
2/13 W	13		Volume of Solids of Revolution
2/15 F	14		Volume of Solids of Revolution
2/18 M	15		Improper Integrals
2/20 W	16		Geometric Series and Convergence
2/22 F	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		Functions of Several Variables Intro
3/1 F	19		Partial Derivatives
3/4 M	20		Partial Derivatives
3/6 W	21		Differentials of Multivariable Functions
3/8 F	22		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		Extrema of Functions of Two Variables
3/20 W	24		Extrema of Functions of Two Variables
3/22 F	25		LaGrange Multipliers - Constrained Min/Max
3/25 M	26		LaGrange Multipliers - Constrained Min/Max
***3/26 Tu**	*****		**EXAM 3 – Time: 8:00PM –** 9:15pm **– Location: ELLT 116**
3/27 W			**NO CLASSES**
3/29 F	29		Double Integrals, Volume, Applications
4/1 M	30		Double Integrals, Volume, Applications
4/3 W	31		Double Integrals, Volume, Applications
4/5 F	32		Systems of Equations, Matrices, Gaussian Elimination
4/8 M	33		Gauss-Jordan Elimination
4/10 W			Matrix Operations
4/12 F			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		Inverses and Determinants of Matrices
4/19 F	35		Eigenvalues and Eigenvectors
4/22 M	36		Eigenvalues and Eigenvectors
4/24 W			REVIEW FOR FINAL EXAM
4/26 F			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.