

MA 16020 Applied Calculus II – Distance Learning Course

Calendar – Syllabus(Part I), Fall 2019

Exam Coverage --- Exam 1: Lessons R-5, Exam 2: Lessons 6-13, Exam 3: Lessons 14-22, Exam 4: Lessons 23-32

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
8/19 M	R		Review of Basic Integration
8/21 W	1A		Integration By Substitution
8/23 F	1B		Integration By Substitution
8/26 M	2		Integration By Substitution
8/28 W	3		The Natural Logarithmic Function: Integration
8/30 F	4		Integration by Parts
9/2 M			LABOR DAY – NO CLASSES
9/4 W	5		Integration by Parts
9/6 F	6		Diff. Equations: Solutions, Growth and Decay & Separation of Variables
*9/9 M	*****		EXAM 1 – Time: 8:00PM – 9:15pm – Location: To Be Announced
9/11 W	7		Diff. Equations: Separation of Variables
9/13 F	8		Diff. Equations: Separation of Variables
9/16 M	9		First-Order Linear Differential Equations
9/18 W	10		First-Order Linear Differential Equations
9/20 F	11		Area of a Region Between two curves
9/23 M	12		Volume of Solids of Revolution
9/25 W	13		Volume of Solids of Revolution
9/27 F	14		Volume of Solids of Revolution
*9/30 M	*****		EXAM 2 – Time: 8:00PM – 9:15pm – Location: To Be Announced
10/2 W	15		Improper Integrals
10/4 F	16		Geometric Series and Convergence
10/7 M			OCTOBER BREAK – NO CLASSES
10/9 W	17		Geometric Series and Convergence
10/11 F	18		Functions of Several Variables Intro
10/14 M	19		Partial Derivatives
10/16 W	20		Partial Derivatives
10/18 F	21		Differentials of Multivariable Functions
10/21 M	22		Chain Rule, Functions of Several Variables
10/23 W	23		Extrema of Functions of Two Variables
*10/24 Th	*****		EXAM 3 – Time: 8:00PM – 9:15pm – Location: To Be Announced

MA 16020 Applied Calculus II – Distance Learning Course

Calendar – Syllabus(Part I), Fall 2019

Exam Coverage --- Exam 1: Lessons R-5, Exam 2: Lessons 6-13, Exam 3: Lessons 14-22, Exam 4: Lessons 23-32

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
10/28 M	24		Extrema of Functions of Two Variables
10/30 W	25		LaGrange Multipliers - Constrained Min/Max
11/1 F	26		LaGrange Multipliers - Constrained Min/Max
11/4 M	27		Double Integrals, Volume, Applications
11/6 W	28		Double Integrals, Volume, Applications
11/8 F	29		Double Integrals, Volume, Applications
11/11 M	30		Systems of Equations, Matrices, Gaussian Elimination
11/13 W	31		Gauss-Jordan Elimination
11/15 F	32		Matrix Operations
11/18 M	33		Inverses and Determinants of Matrices
*11/20 W	*****		EXAM 4 – Time: 8:00PM – 9:15pm – Location: To Be Announced
11/22 F	34		Inverses and Determinants of Matrices
11/25 M			NO CLASSES
11/27 W			THANKSGIVING BREAK VACATION – NO CLASSES
11/29 F			THANKSGIVING BREAK VACATION – NO CLASSES
12/2 M	35		Eigenvalues and Eigenvectors
12/4 W	36		Eigenvalues and Eigenvectors
12/6 F			REVIEW FOR FINAL EXAM
12/9 to 12/14			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, DECEMBER 14 AT 9:00 PM.** INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.