MA 16021 Applied Calculus II and Differential Equations
Calendar, Fall 2014

Exam 1: Lesson 0-8 Exam 2: Lesson 9-17 Exam 3: Lesson 18-27

Date	Lesson	Section	Topics
8/25 M	0	1.6	Review of Logarithms and Exponential Functions
8/27 W	π/4	Ch3	Review of Derivatives
8/29	1	5.5	Integration by Substitution (1)
9/1 M			***LABOR DAY (no classes)***
9/3 W	2	5.6, 5.7	Integration by Substitution (2)
9/5 F	3	8.2	Integration by Parts
9/8 M	4	8.5	Integration of Rational Functions (1)
9/10 W	5	8.5	Integration of Rational Functions (2)
9/12 F	6	7.2	Volumes – Disk Method
9/15 M	7	7.3	Volumes – Shells
9/17 W	8	7.6	Centroids
9/19 F			REVIEW FOR EXAM 1
9/22 M			**NO CLASS. EXAM 1 (6:30pm ELLT 116)**
9/24 W	9,10	7.5	Work and Fluid Pressure (1 & 2)
9/26 F	11	7.7	Work and Fluid Pressure (3)
9/29 M	12	7.7	Work and Fluid Pressure (4)
10/1 W	13	8.8	Improper Integrals
10/3 F	14	9.2	Infinite Series
10/6 M	15	9.10	Maclaurin and Taylor Series
10/8 W	16	9.7	Computation with Series (1)
10/10 F	17	9.10	Computation with Series (2)
10/13 M			***OCTOBER BREAK (no classes)***
10/15 W	18.0	Z11.2	Introduction to Fourier Series
10/17 F			REVIEW FOR EXAM 2
10/20 M			**NO CLASS. EXAM 2 (6:30pm ELLT 116)**
10/22 W	18	Z11.2	Fourier Series (1)
10/24 F	19	Z11.2	Fourier Series (2)
10/27 M	20	6.1, Z1.1	Introduction to Differential Equations
10/29 W	21	6.3	Separable Differential Equations
10/31 F	22	6.5	First Order Linear Differential Equations

Date	Lesson	Section	Topics
11/3 M	23	6.2, 6.3	Applications of First Order Differential Equations (1)
11/5 W	24	6.3	Applications of First Order Differential Equations (2)
11/7 F	25	Z4.3	Higher Order Homogeneous Differential Equations (1)
11/10 M	26	Z4.3	Higher Order Homogeneous Differential Equations (2)
11/12 W	27	Z4.4	Non-Homogeneous Differential Equations (1)
11/14 F			REVIEW FOR EXAM 3
11/17 M			**NO CLASS. EXAM 3 (6:30pm ELLT 116)**
11/19 W	28	Z4.4	Non-Homogeneous Differential Equations (2)
11/21 F	29	Z4.4	Non-Homogeneous Differential Equations (3)
11/24 M	30	Z7.1	Laplace Transforms (1)
11/26 W			***THANKSGIVING VACATION (no classes)***
11/28 F			***THANKSGIVING VACATION (no classes)***
12/1 M	31	Z7.2	Laplace Transforms (2)
12/3 W	32	Z7.3	Laplace Transforms (3)
12/5 F	33	Z7.2	Solutions of Linear DE by Laplace Transforms (1)
12/8 M	34	Z7.R	Solutions of Linear DE by Laplace Transforms (2)
12/10 W			REVIEW FOR FINAL EXAM
12/12 F			REVIEW FOR FINAL EXAM
12/15 to 12/20			**WEEK OF FINAL EXAMS**

Important Dates:
September 8: Last day to drop a course without it appearing on record
September 22: Last day to add/modify a course
October 29: Last day to drop a class

The date and time of the final exam will be announced during the semester. THE SEMESTER DOES NOT END UNTIL SATURDAY, DECEMBER 20 AT 9:00PM. INDIVIDUALS WANTING TO LEAVE CAMPUS EARLY **WILL NOT** BE GRANTED EARLY FINAL EXAMS TO ACCOMMODATE TRAVEL PLANS.