MA 214 002 Calculus IV (Spring 2016)
Class Schedule

1/11	M		
	W	1.1, 1.2, 1.3 Introduction	
	F	2.1 Linear Equations	HW 1
1/18	M	Martin Luther King, Jr. Day	
	W	2.2 Separable Equations	
	F	University closed for inclement weather	
1/25	M	2.3 Modeling with First Order Equations	HW1 Solutions, HW2
	W	2.3 Modeling with First Order Equations	
	F	2.4 Differences between Linear and Nonlinear Equations	HW2 Solutions, HW3
2/1	M	Homework questions, etc.	Quiz 1, Quiz 2
	W	2.5 Autonomous Equations and Population Dynamics	
	F	2.5 Autonomous Equations; 2.6 Exact Equations	HW3 Solutions
2/8	M	2.6 Exact Equations and Integrating Factors	HW4
	W	Homework questions, etc.	Quiz 3
	F	3.1 Homogeneous Equations with Constant Coefficients	HW4 Solutions
2/15	M	Class cancelled for inclement weather	
	W	3.2 Solutions of Homogeneous Equations	HW5
	F	3.3, 3.4 Repeated roots, Complex Roots	
2/22	M	3.4 Reduction of Order	HW5 Solutions
	W	Homework questions, etc.	Quiz 4, Quiz 5
	F	3.5, 3.6 Nonhomogeneous Equations, Variation of Parameters	HW6
2/29	M	Exam 1 Review	
	W	Exam 1	
	F	3.5 Method of Undetermined Coefficients	
3/7	M	3.7 Mechanical Vibrations	HW6 Solutions
	W	Homework questions, etc.	Quiz 6
	F	3.7 Mechanical Vibrations	HW7
		SPRING BREAK	
3/21	M	6.1 Definition of the Laplace Transform	HW7 Solutions
	W	6.2 Solution of Initial Value Problems	HW8
	F	Homework questions, etc.	Quiz 7
3/28	M	6.3 Step Functions	HW8 Solutions
	W	6.4 Differential Equations with Discontinuous Forcing Functions	
	F	Homework questions, etc.	Quiz 8
4/4	M	Exam 2 Review	
	W	Exam 2	HW9
	F	6.5 Impulse Functions	

4/11	M	6.6 The Convolution Integral	HW9 Solutions
	W	5.1 Review of Power Series	HW10
	F	Homework questions, etc.	Quiz 9
4/18	M	5.2 Series Solutions near an Ordinary Point I	HW10 Solutions
	W	5.2 Series Solutions near an Ordinary Point I (continued)	HW11
	F	Homework questions, etc.	Quiz 10
4/25	M	Catchup	HW11 Solutions
	W	Final Exam Review	
	F	Final Exam Review	
5/4	W	Final Exam (comprehensive), 8:00–10:00 a.m., CB 349	

Some Important Dates

Jan. 13	First day of class
Feb. 3	Last day to drop a course without it appearing on the student's transcript
Feb. 10	Last day to withdraw from the University or reduce course load with 50% refund
Apr. 1	Last day to withdraw from the University or reduce course load