

Math 212 – Differential Equations - Sánchez

Tentative Course Schedule Spring 2018

(Subject to change)

MONDAY	WEDNESDAY
—	January 24 Intro to course; syllabus; 1.1 Definitions and Terminology
January 29 1.2 Initial Value Problems	January 31 1.3 Differential Equations as Math Models <i>*Registration period ends Feb 1*</i>
February 5 2.1 Solution Curves 2.2 Separable Equations	February 7 2.3 Linear Equations
February 12 2.4 Exact Equations	February 14 2.5 Solutions by Substitution <i>*Last day to declare pass/fail is Feb 16*</i>
February 19 Review	February 21 EXAM 1
February 26 2.6 A Numerical Method 9.1 Euler Methods and Error Analysis	February 28 Euler Methods (2.6 and 9.1 Continued)
March 5 4.1 Linear Equations	March 7 4.1 Linear Equations (cont.) <i>*Mid-semester notices go out by Mar 9*</i>
March 12 - 16 <i>Spring Break (No class)</i>	

MONDAY	WEDNESDAY
March 19	March 21
4.2 Reduction of Order 4.3 Homogeneous Lin. Eq. with Const. Coeff	4.4 & 4.5 Undetermined Coefficients <i>*Drop deadline is Mar 23*</i>
March 26	March 28
4.6 Variation of Parameters	4.7 Cauchy-Euler Equation
April 2	April 4
4.9 Solving a systems by elimination	4.10 Nonlinear differential equations
April 9	April 11
Review	EXAM 2 <i>*Withdrawal deadline is April 13*</i>
April 16	April 18
6 Series Solutions	7.1 Laplace Transforms
April 23	April 25
7.2 Inverse Transforms and Derivatives	7.3 & 7.4 Operational Properties
April 30	May 2
7.3 & 7.4 Operational Properties (cont.)	Review
May 9	
Final Exam 2:00 pm – 5:00 pm	