

Lectures

Jan. 23	Introduction, direction fields (1.1)
Jan. 25	Solutions of DEs, linear equations (1.2, 2.1)
Jan. 28	Separable equations (2.2)
Feb. 1	Modeling (2.3)
Feb. 4	More applications (2.3, 2.5)
Feb. 6	Population Dynamics (2.5)
Feb. 8	Second Order DEs (3.1, 3.2)
Feb. 11	Complex Roots (3.3)
Feb. 13	Repeated Roots (3.4)
Feb. 15	Nonhomogeneous equations (3.5)
Feb. 18	Variation of Parameters (3.6)
Feb. 20	Vibrations (3.7,3.8)
Feb. 22	Test #1

Homework

Jan. 25	1.1	1 (by hand), 7, 10, 15-20, 22
Jan. 28	1.2	3, 7
	2.1	3bc, 14, 22bc, 24bc, 30
Feb. 1	2.2	3, 4, 12a, 14a, 23, 27
Feb. 4	2.3	3, 4, 5a, 20ab
Feb. 6	2.3	23a, 27a
	2.5	3, 4, 7, 10, 14
Feb. 8	2.5	16ab, 20ab, 22, 23
Feb. 11	3.1	2, 3, 11 (no sketching), 22
	3.2	14, 17, 24
Feb. 13	3.3	9, 10, 19 (no sketching), 23 (use graphing calc), 27, 29
Feb. 15	3.1	15 (no sketching)
	3.3	14
	3.4	1, 2, 11 (no sketching), 24, 25
Feb. 18	3.5	2, 4, 9, 13, 22 (by hand)
Feb. 20	3.6	2, 3, 9, 14, 28, 29

Feb. 25

3.7 6, 26ab

3.8 5, 9