

MATH 2214 ASSIGNMENT SHEET

TEXTBOOK: Elementary Differential Equations and Boundary Value Problems, 7th Ed.,
by W.E. Boyce and R.C. DiPrima

It is recommended that graphical and numerical problems are solved using "Matlab for 2214," available from the course web site.

	Section	Suggested Homework Problems
Chapter 1 (3 lessons)	1.1	4,11,12,19,22
	1.2	1,3,6,10,11
	1.3	1-6,9,12
Chapter 2 (9 lessons)	2.1	1 (c),3 (c),6 (c),13,15,16,20
	2.2	1,4,6,9,11,19
	2.3	1,2,4,15,21,22
	2.4	1,3,9,11,32
	2.7	3,11,16
Chapter 3 Theory (7 lessons)	3.1	3,6,9,10,12,21
	3.2	1,3,5,7,11
	3.3	1,4,6,9
	3.4	1,5,7,8,18,20
	3.5	1,2,12,14,23,24,38,39 (a)
	3.6	1,2,5,9,12,13,14,22,26
	3.7	1,5,7,13
Applications (either mechanical or electrical) (3 lessons)		
Mechanical:	3.8	1,5,9,13
	3.9	5,7,12
Electrical:	3.8	1,8,12,18
	3.9	15,16
Chapter 4 (2 lessons)	4.1	11,12,14,19
	4.2	1,2,7,8,11,12,15,22,31
Chapter 7 (12 lessons)	7.1	1,2,4,5,21 (a),22(a)
	7.2	2,4,8,10,11,21 (c),22
	7.3	1,6,7,15,17,20,22
	7.5	1-4,11,15
	7.6	1,2,3,4,9,26(a)
	7.7	3,5,6
	7.8	1,2,5,7,11

Chapter 8	8.2	2,7,24
(3 lessons)	8.3	2
	8.6	1(a), 4(a)

This course duplicates Math 2216,2514,4544.

Prerequisites Math 1114 and 1206