

SYLLABUS & HOMEWORK III
MATH 231 SECTION 005, SPRING 2010

DAILY COVERAGE AND HOMEWORK

Lesson	Topic(s)	Section(s)	Page / Homework
20	Exam 2 - Tuesday 3/30		
21	Elim method, phase plane	5.2 & 5.4	270 / 13,19 294 1,3,5-7,9,11,13,15,17,19,21,28
22	Laplace transform: defn	7.2	385 / 1-5,7,9,10,12-21,23,25,29a-d,f,h
23	Laplace transform: props	7.3	391 / 1-10,13,14,16,17,21-23,32-34
24	Inverse Laplace Transform	7.4	400 / 1-13,15,21-23,25,27,29,31
25	Solving IVPs	7.5	409 / 1,3,5,7,9,15,17,19,25,35
26	Transforms of periodic functions, Dirac's delta	7.6 & 7.8	421 / 1,3,5,7,11,12,13,15,17,21,22,25,29,30 438 / 1,13
27	Exam 3 - Thursday 4/22		
28	Series solns intro, pwr series	8.1 & 8.2	456 / 1,3,5 464 / 1,3,5,17,23-25
29	power series solutions	8.3	475 / 1,3,5,7,11,12,19,21,25
	<u>FINAL EXAM</u>		
	Thursday May 6	12:30 - 2:30	