

MATH 302, WEEKLY SYLLABUS

Week	Topic	Textbook
1: 01/22 – 02/24	Introduction	1.1,1.2,1.3,2.1
2: 01/29 – 01/31	First order ODEs	2.2,2.3,2.4,2.5
3: 02/5 – 02/7	More on first order ODEs	2.5, 2.6
4: 02/12 – 02/14	Second order linear equations	3.1,3.2,3.3,3.4
5: 02/19 – 03/21	More on second order equations	3.5,3.6,3.7
6: 02/26 – 02/28	Higher order equations – Systems	4.1,4.3,7.1
7: 03/5 – 03/7	Systems of first order ODEs	7.3,7.4,7.5
8: 03/19 – 03/21	More on systems	7.6,7.7,7.8
9: 03/26 – 03/28	Nonlinear equations	9.1,9.2,9.3
10: 04/2 – 04/4	More on nonlinear equations	9.3,9.4,9.5,9.7
11: 04/9 – 04/11	The Laplace transform	6.1,6.2
12: 04/16 – 04/18	Numerical methods	8.1,8.2,8.3
12: 04/23 – 04/25	Review	–