

MAP 2302 SYLLABUS SPRING 2020

TEXT: *Introduction to Ordinary Differential Equations*,
Shepley L. Ross, 4th Edition.

DAILY WORK: Do the reading from the sections to be covered before coming to class each day. Your instructor will be planning class activities assuming you have done the reading. The exercises suggested below represent a minimal assignment. Some students may have to work additional exercises from the text to master the material.

You are expected to arrange your personal and work schedule to allow you to take the exams at the scheduled time. Students with conflicting exam schedules may be allowed to take an alternate final, which is always given after the regularly scheduled final. No student will be allowed to take the final exam early.

PREREQUISITES: You are expected to know differentiation and integration techniques and to be familiar with vector fields and parameterized curves.

WEEK	DATES	SECTIONS	EXERCISES
1	Jan 6–10	1.1B 1.2B 1.3B	1 - 9 odd 1 - 7 all 1 - 8 all
2	Jan 13–17	2.1D 2.2B	1 - 21 odd 1 - 23 odd
3	Jan 20–24	2.3B 2.4B	1 - 37 odd, 34 7 - 13 odd, 20, 21
4	Jan 27– 31	3.2B 3.3C	1 - 13 odd, 19 1 - 7 odd, 21 - 27 odd
5	Feb 3–7	3.3C	1 - 7 odd, 21 - 27 odd
6	Feb 10–14	4.1B Exam 1	1, 2, 3 - 13 odd

WEEK	DATES	SECTIONS	EXERCISES
7	Feb 17–21	4.1D 4.2D 4.3B	1 - 11 odd, 2, 4, 10 1 - 27 odd, 31 - 61 odd 1 - 13 odd, 19 - 25 odd, 35 - 45 odd, 51 - 55 odd, 59 - 61 odd
8	Fed 24–28	Spring Break	
9	Mar 2–6	4.4B 4.5B	1 - 19 odd, 27, 28 1 - 9 odd, 15 - 19 odd, 23 - 31 odd, 32
10	Mar 9–13	5.2 5.3 5.4 5.5 6.1B Exam 2	1 - 9 odd 1 - 13 odd 1 - 7 odd 1 - 3 all 1 - 23 odd, 24
	Mar 16	Last day	to drop a course with a DR grade.
11	Mar 16–20	6.2B 6.3B	1 - 4 all, 5 - 31 odd 1 - 3 all
12	Mar 23–27	9.1A 9.1B 9.2A	1 - 8 all 1 - 18 all 1 - 29 odd
13	Mar 30 – Apr 3	9.2B 9.3B	1 - 6 all 1 - 19 odd
14	Apr 6–10	9.4A 9.4B 9.4C	1 - 23 odd 1 - 13 odd 1 - 11 odd
15	Apr 13–17	9.4D 9.5B	1 - 6 all 1 - 9 odd