640:251 FALL 1998

APPROXIMATE SYLLABUS

All section numbers refer to Stewart, *Calculus: Early Transcendentals,* 3^{rd} *edition.*

Lecture	Sections	Lecture	Sections
1	11.1, 11.2	15	13.4, 13.9
2	11.3, 11.4		(for double integrals)
3	11.4, 11.5	16	13.7
4	11.7, 11.8	17	11.10, 13.8
	Assign: Maple Lab 1		Assign: Maple Lab 4
5	11.8, 11.9 (to Kepler's laws)	18	14.1, 14.2
6	12.1, 12.2, 11.6?	19	14.2
7	12.3, 12.4	20	14.3
8	12.5	21	14.4
	Assign: Maple Lab 2	22	EXAM 2: through 14.3
9	12.6	23	14.5
10	12.7	24	13.6, 14.6
11	EXAM 1: through 12.6	25	14.7
12	12.8	26	14.8
	Assign: Maple Lab 3	27	14.9
13	13.1, 13.2	28	Catch-up
14	13.3		

NOTES:

1. It is suggested that Maple labs be collected two weeks after they are assigned.

2. Section 11.6, on quadric surfaces, is listed with a question mark in Lecture 6, since Maple Lab 2 covers this material, producing far better drawings than most lecturers can produce. The question mark suggests that class time not be spent on this section, but that students be asked to read it in conjunction with the lab.

3. Coverage of Section 11.10, on cylindrical and spherical coordinates, is deferred until it is needed, that is, just before the treatment of triple integrals in those coordinate systems.

4. Coverage of section 13.6 on surface area is delayed, so that it comes just before surface area of parametric surfaces. Instructors running behind the syllabus should consider omitting sections 13.6, 14.6.