Math 2E Approximate Syllabus

This approximate syllabus should give you an idea about what topics will be discussed when. I call it approximate, as it should be taken only as a guide which allows minor divergencies in the timeline. The actual course progress will be recorded on the course website.

The dates of exams, however are valid and will not be changed.

Book: James Stewart: *Calculus: Early Transcendentals*, 8th Edition/UCI Custom Edition

Lecture	Section	Topic
W1		
01/08	Review	Double and Triple Integrals
01/10	15.7	Triple Integrals in Cylindrical Coordinates
01/12	15.8	Triple Integrals in Spherical Coordinates
W2		
01/15	—	Holiday
01/17	15.9	Change of Variables in Multiple Integrals
01/19	15.9	Change of Variables in Multiple Integrals
W3		
01/22	15.9	Change of Variables in Multiple Integrals
01/24	16.1	Vector Fields
01/26	16.2	Line Integrals
W4		
01/29	16.3	Fundamental Theorem for Line Integrals
01/31	16.3	Fundamental Theorem for Line Integrals
02/02	—	Review
W5		
02/05	—	Midterm # 1
02/07	16.4	Green's Theorem
02/09	16.4	Green's Theorem
W6		
02/12	16.4	Green's Theorem
02/14	16.5	Curl and Divergence
02/16	16.4	Curl and Divergence
W7		
02/19	—	Holiday
02/21	16.6	Parametric Surfaces
02/23	16.7	Surface Integrals
W8		
02/26	16.7	Surface Integrals
02/28	—	Review
03/02	—	Midterm # 2
W9		
03/05	16.8	Stoke's Theorem
03/07	16.8	Stoke's Theorem
03/09	16.8	Stoke's Theorem
W10		
03/12	16.9	Divergence Theorem
03/14	16.9	Divergence Theorem
03/16	—	Review