

Math 2E Suggested Syllabus

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

Lecture	Section	Topic
1	15.1	Double Integrals over Rectangles (Review)
2	15.2	Double Integrals over General Regions (Review)
3	15.2, 15.3	Double Integrals over general Regions (Review)
4	15.3	Double Integrals in general Polar Coordinates (Review)
5	15.6	Triple Integrals
6	15.6	Triple Integrals
7	15.7	Double Integrals in Cylindrical Coordinates
8	15.8	Double Integrals in Spherical Coordinates
9	15.8, 15.9	Double Integrals in Spherical Coordinates
10	15.9	Change of Variables in Multiple Integrals
11		Review and Catch up
12		Midterm #1
13	16.1	Vector Fields
14	16.2	Line Integrals
15	16.2	Line Integrals
16	16.3	The Fundamental Theorem for Line Integrals
17	16.3, 16.4	The Fundamental Theorem for Line Integrals
18	16.4	Green's Theorem
19	16.5	Curl and Divergence
20	16.5	Curl and Divergence
21		Midterm #2
22	16.6	Parametric Surfaces and Their Areas
23	16.7	Surface Integrals
24	16.7	Surface Integrals
25	16.8	Stokes' Theorem
26	16.8	Stokes' Theorem
27	16.9	The Divergence Theorem
28	16.9, 16.10	The Divergence Theorem, Summary
29		Review and Catch Up