

Syllabus

Jan. 15	Computer Intro	
17	1.1/1.2 (10.1/10.2) Vectors & Computers	
20	1.2/1.3 (10.3/10.4) Dot and Cross Product	Quiz/Assignment 1
22	1.4 (10.5) Lines	
24	1.4 (10.5) Planes	
27	2.1 (11.1) Vector Functions, Derivatives, Integrals	Quiz/Assignment 2
29	2.2 (11.2) Projectile Motion	
31	2.3 (11.3) Smooth Curves, Directed Distance	
Feb. 3	2.4 (11.4) Tangents & Normals, Acceleration	Quiz/Assignment 3
5	3.1 (12.1) Functions of Several Variables	
7	3.2 (12.2) Limits & Continuity	
10	Review	
11	Exam I	
12	3.3 (12.3) Partial Derivatives	
14	3.4 (12.5) Chain Rule	
17	3.5 (12.7) Directional Derivatives & Gradients	Quiz/Assignment 4
19	3.6 (12.7) Tangent Planes & Normal Lines	
21	3.7 (12.8) Maxima, Minima & Saddle Points	
24	3.7 (12.8) Maxima, Minima & Saddle Points	Quiz/Assignment 5
26	3.8 (12.9) Lagrange Multipliers	
28	3.8 (12.9) Lagrange Multipliers	
Mar. 3	4.1 (13.1) Double Integrals	Quiz/Assignment 6
5	4.1 (13.1) Double Integrals	
7	4.2 (13.2) Areas, Moments, Centers	
10-14	Midsemester Break	
17	4.3 (13.3) Double Integrals in Polar Form	
19	Review	
20	Exam II	
21	4.4 (13.4) Triple Integrals, Volume, Guidelines	
24	4.5/4.6 (13.5/13.6) Mass & Moments in 3D, Cylindrical Coordinates	Quiz/Assignment 7
26	4.6 (13.6) Triple Integrals in Spherical Coordinates	
28	Easter Break	
31	Easter Break	
Apr. 2	4.7 (13.7) Substitutions in Multiple Integrals	Quiz/Assignment 8
4	5.2 (14.1) Substitutions, Line Integrals (functions)	
7	5.1 (14.2) Vector Fields, Div and Curl	Quiz/Assignment 9
9	5.2 (14.1) Line Integrals (vector fields)	
11	5.2 (14.3) F.T.L.I./Green's Theorem	
14	5.3 (14.4) Green's Theorem	
16	Review	
17	Exam III	
18	5.4 (14.5) Surface Integrals	
21	5.4 (14.5) Surface Integrals	Quiz/Assignment 10
23	5.4 (14.5) Flux Integrals (+ Stokes')	
25	5.5 (14.7) Stokes' Theorem	
28	5.6 (14.8) Divergence Theorem	
30	Review	
May 2	Study Day	
May 8	Thursday, 1:45 P.M., Final Exam	