

Aug 25	Introduction, 13.1 3D Coordinates
26 (in tutorial)	13.2 Vectors
27	13.3 Dot Product, Start 13.4 Cross Product
Aug 30	13.4 Cross Product
Sept 1	13.5 Lines, Planes
3	13.5 Planes
Sept 6	14.1 Vector Functions, Space Curves
8	14.2 Derivatives, Integrals
10	14.3 Arc Length (Skip Curvature)
Sept 13	14.4 Motion in Space
15	15.1 Functions of Several Variables
17	15.2 Limits, Continuity
Sept 20	Review
Sept 21	Exam I
22	15.3 Partial Derivatives
Sept 23 (in tutorial)	15.5 Chain Rule
24	Finish 15.5 Chain Rule, Start 15.6 Directional Derivatives, Gradients
Sept 27	Finish 15.6 Directional Derivatives, Gradients
29	15.6 Tangent Planes, Normal Lines
Oct 1	15.7 Local Maxima, Local Minima, Saddle Points
Oct 4	15.7 Maxima and Minima on bounded regions
6	15.8 Lagrange Multipliers (one constraint)
8	15.8 Two Constraints
Oct 12	16.1–2 Double Integrals over Rectangles
14	16.3 Double Integrals over General Regions
15	16.4 Double Integrals in Polar Coordinates
Oct 18-22	<i>Fall Break</i>
25	Review
Oct 26	Exam II
27	16.6 Triple Integrals
28 (in Tutorial)	16.5–6 Moments, Centers
29	16.7 Triple Integrals in Cylindrical Coordinates and 16.8 Triple Integrals in Spherical Coordinates
Nov 1	16.9 Change of Variables in Multiple Integrals
3	Finish 16.9 Change of Variables in Multiple Integrals and start 17.2 Line Integrals wrt to Arc Length
5	17.2 Line Integrals of Functions
Nov 8	17.1–2 Vectors Fields, Line Integrals
10	17.3 Fundamental Theorem of Line Integrals and 17.5 3-D Conservative functions
12	17.4 Green's Theorem
Nov 15	17.5 Curl, Divergence
17	Review
18	Exam III
19	17.6 Graphing Parametric Surfaces
Nov 22	17.6 Tangent Planes and Area of Surfaces
24-28	<i>Thanksgiving Holiday</i>
Nov 29	17.8 Surface Integrals
Dec 1	17.8 Flux Integrals
3	17.9 Stokes' Theorem
Dec 6	17.9 Divergence Theorem
8	<i>Review</i>
9	Last Tutorial
Dec 17	Final Exam 1:45–3:45 P.M.