

Week	Date		Reading	Activity	Webwork
Week 1	9-Jan	W	12.1	Three-Dimensional Coordinate Systems	
	10-Jan	R		Worksheet #1 on 12.1	
	11-Jan	F	12.2	Vectors	
Week 2	14-Jan	M	12.3	The Dot Product	
	15-Jan	T		Worksheet #2 on 12.2	
	16-Jan	W	12.4	The Cross Product (and scalar triple product)	Webwork A1 on 12.1-12.2 due
	17-Jan	R		Worksheet #3 on 12.3; Quiz #1 on 12.1-12.2	
	18-Jan	F	12.5	Equations of Lines and Planes, I	
Week 3	21-Jan	M		Martin Luther King Day	
	22-Jan	T		Worksheet #4 on 12.4	
	23-Jan	W	12.5	Equations of Lines and Planes, II	Webwork A2 on 12.3-12.4 due
	24-Jan	R		Worksheet #5 on 12.5; Quiz #2 on 12.4	
	25-Jan	F	12.6	Cylinders and Quadric Surfaces	Webwork A3 on 12.5 due
Week 4	28-Jan	M	13.1	Vector functions and space curves	
	29-Jan	T		Worksheet #6 on 12.6-13.1	
	30-Jan	W		Polar Vortex Day - No Class	Webwork A4 on 12.6 due
	31-Jan	R		Worksheet #7 on 13.2; Quiz #3 on 12.5-12.6	
	1-Feb	F	13.2	Derivatives and Integrals of Vector Functions	Webwork A5 on 13.1-13.2 due
Week 5	4-Feb	M	13.3-13.4	Arc Length, Acceleration (selected topics)	
	4-Feb	M		Review Session for Exam I, CP 139, 6:00-8:00 PM	
	5-Feb	T		Worksheet #8 on 13.3-13.4	
	6-Feb	W	Review	Review 12.1-12.6, 13.1-13.4	Webwork A6 on 13.3-13.4 due
	6-Feb	W		Exam I on 12.1-12.6 and 13.1-13.4, 5:00-7:00PM	

	7-Feb	R		No Recitation - Exam Grading	
	8-Feb	F	14.1	Functions of Several Variables	
Week 6	11-Feb	M	14.3	Partial Derivatives	
	12-Feb	T		Worksheet #9 on 14.1, 14.3	
	13-Feb	W	14.4	Linear Approximation	Webworks B1 (14.1), B2 (14.3) Due
	14-Feb	R		Worksheet #10 on 14.4; Quiz #4 on 14.1, 14.3	
	15-Feb	F	14.5	Chain Rule, Implicit Differentiation	Webwork B3 on 14.4 due
	Week 7	18-Feb	M	14.6	Directional derivatives, gradient vector
19-Feb		T		Worksheet #11 on 14.5	
20-Feb		W	14.7	Maximum and minimum values (finding local extrema)	Webwork B4 on 14.5 due
21-Feb		R		Worksheet #12 on 14.6-7; Quiz #5 on 14.4-14.5	
22-Feb		F	14.7	Maximum and minimum values (finding global extrema on a bounded closed set)	Webwork B5 on 14.6 due
Week 8	25-Feb	M	14.8	Lagrange multipliers	
	26-Feb	T		Worksheet #13 on 14.7-14.8	
	27-Feb	W	15.1	Double integrals	Webwork B6 on 14.7 due
	28-Feb	R		Worksheet #14 on 15.1-2; Quiz #6 on 14.6-14.7	
	1-Mar	F	15.2	Double integrals over general regions	Webwork B7 on 14.8 due
Week 9	4-Mar	M	15.3	Double integrals in polar coordinates	
	4-Mar	M		Review Session for Exam II, CP 139, 6:00-8:00 PM	
	5-Mar	T		Worksheet #15 on 15.2-15.3	
	6-Mar	W		Review 14.1, 14.3-14.8, 15.1-15.2	Webwork B8 on 15.1-15.2 due
	6-Mar	W		Exam II on 14.1, 14.3-14.8, 15.1-15.2, 5:00-7:00 PM	

	7-Mar	R		No Recitation - Exam Grading	
	8-Mar	F	15.3	Polar Coordinate Review; Triple Integrals	
	11-Mar			Spring Break	
	12-Mar				
	13-Mar				
	14-Mar				
	15-Mar				
Week 10	18-Mar	M	15.6	Triple integrals	Webwork C1 on 15.3 due
	19-Mar	T		Worksheet #16 on 15.6	
	20-Mar	W	15.7	Triple Integrals in cylindrical coordinates	Webwork C2 on 15.6 due
	21-Mar	R		Worksheet #17 on 15.7; Quiz #7 on 15.3, 15.6	
	22-Mar	F	15.8	Triple Integrals in spherical coordinates	Webwork C3 on 15.7 due
Week 11	25-Mar	M	15.9	Change of variables in multiple integrals (transformations, Jacobian)	
	26-Mar	T		Worksheet #18 on 15.8	
	27-Mar	W	15.9	Change of Variables in Multiple Integrals (change of variables formula)	Webwork C4 on 15.8 due
	28-Mar	R		Worksheet #19 on 15.9; Quiz #8 on 15.7-15.8	
	29-Mar	F	16.1	Vector Fields	Webwork C5 on 15.9 due
Week 12	1-Apr	M	16.2	Line integrals (scalar functions)	
	2-Apr	T		Worksheet #20 on 16.1	
	3-Apr	W	16.2	Line Integrals (vector fields)	Webwork C6 on 16.1 due
	4-Apr	R		Worksheet #21 on 16.2; Quiz #9 on 15.9	
	5-Apr	F	16.3	Fundamental theorem for line integrals	Webwork C7 on 16.2 due
Week 13	8-Apr	M	16.4	Green's Theorem	
	8-Apr	M		Review Session for Exam III, CP 139, 6:00-8:00 PM	
	9-Apr	T		Worksheet #22 on 16.3-16.4	
	10-Apr	W		Review 15.1-15.3, 15.6-15.9, 16.1-16.3	Webwork C8 on 16.3 due
	10-Apr	W		Exam III on 15.1-15.3, 15.6-15.9, 16.1-16.3, 5:00-7:00 PM	

	11-Apr	R		No Recitation - Exam Grading	
	12-Apr	F	16.5	Curl and Divergence	Webwork D1 on 16.4 due
Week 14	15-Apr	M	16.6	Parametric surfaces and their areas	
	16-Apr	T		Worksheet #23 on 16.5-16.6	
	17-Apr	W	16.7	Surface integrals	Webwork D2 on 16.5-16.6 due
	18-Apr	R		Worksheet #24 on 16.7; Quiz #10 on 16.5-16.6	
	19-Apr	F	16.8	Stokes' Theorem	Webwork D3 on 16.7 due
	Week 15	22-Apr	M	16.9	Divergence Theorem
23-Apr		T		Worksheet #25 on 16.8-16.9	
24-Apr		W	Review	Review for Final Exam	Webwork D4 on 16.8-16.9 due
25-Apr		R		Worksheet #26 (Cumulative Review)	
26-Apr		F	Review	Review for Final Exam	
Finals	30-Apr	T		Review Session for Exam IV, CP 139, 6:00-8:00 PM	
Week	1-May	W		Final Exam (Cumulative), 6:00-8:00 PM	