

Week	Date	Topic	Homework (odd problems only)
1	F 8/21	3-D Coordinates	[12.1] 7-17, 23-43
	M 24	Vectors	[12.2] 5-9, 17-27, 41, 43, 51
	T 25	<b>Mathematica Lab #1 – Tutorial</b> (due 9/1)	
	W 26	Dot Product	[12.3] 1-23, 27-31, 55-61
	F 28	Cross Product	[12.4] 1-35, 43, 47, 49, 53
	M 31	Lines and Planes	[12.5] 1-9, 13, 19-43
	2	T 9/1	More Lines and Planes
W 2		Quadric Surfaces	[12.6] 1-7, 11-31, 43, 45
F 4		<b>Quiz #1: Vectors</b>	
M 7	(LABOR DAY)		
3	T 8	<b>Mathematica Lab #2 – A Triangle in Space</b> (due 9/16)	
	W 9	Parametric Equations	[10.1] 1-15, 25, 27, 41, 43 [13.1] 7-11, 15, 21-29, 43
	F 11	Parametric Slope and Area	[10.2] 1-5, 11-15, 25, 29-33
	M 14	Velocity and Acceleration	[13.2] 3-13, 17-25, 29-33 [13.4] 1-19
T 15	(VALUES DAY)		
4	W 16	Arc Length and Curvature	[13.3] 1-11, 21-33, 39
	F 18	Vector Fields	[16.1] 1-5, 11-17
	M 21	<b>Review</b> [10R] 1-7, 21, 25, 37 [12R] 1-11, 15-21, 25-37 [13R] 1, 3, 7, 9, 13, 17	
T 22	<b>Test #1: Vectors and Parametric Curves</b>		
5	W 23	Contours	[14.1] 7, 33, 35, 39-51, 59-63
	F 25	Partial Derivatives	[14.3] 3-9, 15-45, 53-75
	M 28	Tangent Planes	[14.4] 1-5, 11-15, 19
	T 29	Chain Rules	[14.5] 1-25, 45, 47
	W 30	Directional Derivatives	[14.6] 1-5, 11-19, 35
	F 10/2	The Gradient	[14.6] 7, 9, 21-25, 29, 33, 37, 39
M 5	<b>Quiz #2: Partial Derivatives</b>		
6	T 6	Second Derivative Test	[14.7] 1-17, 29-33
	W 7	Max/Min Problems	[14.7] 39-55
	F 9	(FALL BREAK)	
7			

Week	Date	Topic	Homework
8	M 12	More Max/Min Problems	worksheet
	T 13	<b>Mathematica Lab #3 – Analysis Of A Surface</b> (due 10/21)	
	W 14	Lagrange Multipliers	[14.8] 1-13, 29-37
	F 16	More Lagrange Multipliers	[14.8] 15-21, 25, 27, 39-43
	M 19	<b>Review</b> [14R] 5, 7, 11-21, 25a, 35-39, 43-55, 59-65	
9	T 20	<b>Test #2: Partial Derivatives and Applications</b>	
	W 21	Double Integrals	[15.1] 1-13, 17
	F 23	Iterated Integrals	[15.2] 1-21, 25-31, 37
	M 26	Non-Rectangular Regions	[15.3] 1-9, 15-31
	T 27	<b>Mathematica Lab #4 – Numerical Integration</b> (due 11/2)	
10	W 28	Reversing the Order	[15.3] 43-53, 57
	F 30	<b>Quiz #3: Double Integrals</b>	
	M 11/2	Polar Coordinates	[10.3] 7-47, 65
11	T 3	Polar Slope and Arc Length	[10.3] 55-63 [10.4] 45, 47
	W 4	Polar Area	[10.4] 1-29
	F 6	Polar Double Integrals	[15.4] 1-31, 39
12	M 9	Centers of Mass	[15.5] 1-15
	T 10	<b>Mathematica Lab #5 – A Polar Curve</b> (due 11/16)	
	W 11	Surface Area	[15.6] 1-11
	F 13	<b>Quiz #4: Polar Coordinates and Applications</b>	
13	M 16	Triple Integrals	[15.7] 3-21
	T 17	More Triple Integrals	[15.7] 29-37, 41
	W 18	Change of Variables	[15.10] 1-19, 23-27
	F 20	More Change of Variables	worksheet
	M 23	Cylindrical Coordinates	[15.8] 17-23, 29
14	T 24	Spherical Coordinates	[15.9] 21-27, 39
	W 25		(THANKSGIVING BREAK)
	F 27		(THANKSGIVING BREAK)
15	M 30	<b>Review</b> [10R] 9-17, 23, 31-39 [15R] 1-31, 35ab, 39, 41, 47-51	
	T 12/1	<b>Mathematica Exam</b>	
	W 2	<b>Test #3: Multiple Integrals</b>	
	F 4	<b>Review for Final Exam</b>	
	M 7	<b>Final Exam</b> (9-11 am)	