

	2022S2				Due Dates			
No.	Date	Topics	Text	Practice Problems	Assignments	Wk		
L-1	21-Mar	Graphs of functions of 2 variables, partial derivatives	Sections 3.1, 3.2	Sections 3.1, 3.2 exercises	SSP-1	1		
R-1	22-Mar	<i>Practice (L1 material)</i>	Section 3.3	Section 3.3 exercises				
L-2	23-Mar	Tangent plane approximation						
W-1	24-Mar	<i>Workshop</i>						
NC	25-Mar							
L-3	28-Mar	Tangent plane cont., directional derivatives	Sections 3.3, 3.4		MCQ-1	2		
R-2	29-Mar	<i>Practice (L2, L3 material)</i>	Section 3.4	Section 3.4 exercises	SSP-2			
L-4	30-Mar	Gradients of functions of 2 variables						
W-2	31-Mar	<i>Workshop</i>						
L-5	1-Apr	Gradients of functions of 3 variables, level surfaces					Section 3.4	Section 3.4 exercises
L-6	4-Apr	Higher order derivatives, chain rule	Sections 3.5, 3.6	Sections 3.5, 3.6 exercises	SSP-3 MCQ-2	3		
R-3	5-Apr	<i>Practice (L5, L6 material)</i>	Section 3.7	Section 3.7 exercises	SSP-4			
L-7	6-Apr	Maps between Euclidean spaces						
W-3	7-Apr	<i>Workshop</i>						
NC	8-Apr							HW-2
L-8	11-Apr	Jacobian matrix	Sections 3.7	Sections 3.7 exercises	SSP-5 MCQ-3	4		
R-4	12-Apr	<i>Practice (L7, L8 material)</i>	Section 3.8	Section 3.8 exercises				
L-9	13-Apr	Implicit function theorem						
W-4	14-Apr	<i>Workshop</i>						
NC	15-Apr	<b>No Classes; Good Friday</b>						
L-10	18-Apr	Critical points	Section 3.9	Section 3.9 exercises	SSP-5 Midterm	5		
R-5	19-Apr	<i>Practice (L9, L10 material)</i>	Section 3.9	Section 3.9 exercises	SSP-6			
L-11	20-Apr	Classification of critical points						
W-5	21-Apr	<i>Workshop</i>						
NC	22-Apr							HW-3
L-12	25-Apr	Double integrals over rectangular regions	Section 4.1	Section 4.1 exercises	MCQ-4	6		
R-6	26-Apr	<i>Practice (L12 material)</i>	Section 4.2	Section 4.2 exercises	SSP-7			
L-13	27-Apr	Double integrals over general regions						
W-6	28-Apr	<i>Workshop</i>						
L-14	29-Apr	Double integrals in polar coordinates					Section 4.3	
L-15	2-May	Change of coordinates for double integrals	Section 4.4	Section 4.4 exercises	SSP-9 MCQ-5	7		
R-7	3-May	<i>Practice (L14, L15 material)</i>	Section 4.5	Section 4.5 exercises	SSP-10			
L-16	4-May	Applications of double integrals						
NC	5-May							
NC	6-May							HW-5
NC	9-May	<b>Final Exam (cumulative) 8-11am</b>				8		
NC	10-May							
NC	11-May							
NC	12-May							
NC	13-May							

MCQ Multiple-choice quiz

HW Written Homework

SSP Self-study Project