

Math 676 Spring 2019 Schedule

	Date	Topic	Homework	
Week 1	9-Jan	1.1 Preliminaries		Measure Theory
	11-Jan	1.2 Exterior Measure		
Week 2	14-Jan 16-Jan 18-Jan	1.3 Measurable sets		
Week 3	21-Jan	<i>MLK Day - Academic Holiday</i>		
	23-Jan 25-Jan		HW 1 due	
Week 4	28-Jan 30-Jan 1-Feb	1.4 Measurable Functions		
			HW 2 due	
Week 5	4-Feb 6-Feb 8-Feb			
			HW 3 due	
Week 6	11-Feb 13-Feb 15-Feb	Littlewood's Three Principles Lebesgue Integration - Introduction		
Week 7	18-Feb 20-Feb 22-Feb	2.1 The Lebesgue Integral 2.2 The Space L^1	HW 4 due	Integration Theory
Week 8	25-Feb 27-Feb 1-Mar	2.3 Fubini's Theorem	HW 5 due	
Week 9	4-Mar 6-Mar 8-Mar	Review Midterm Exam Review	HW 6 due	
	11-Mar 13-Mar 15-Mar		Spring Break	
Week 10	18-Mar 20-Mar 22-Mar	2.4 Fourier Inversion		
Week 11	25-Mar 27-Mar 29-Mar	3.1 Differentiation of Integrals	HW 7 due	Differentiation and Integration
Week 12	1-Apr 3-Apr 5-Apr	3.2 Approximations of the identity	HW 8 due	
Week 13	8-Apr 10-Apr 12-Apr	3.3 Differentiability of Functions	HW 9 due	
Week 14	15-Apr 17-Apr 19-Apr		HW 10 due	
Week 15	22-Apr 24-Apr 26-Apr	Review for Final		
	29-Apr	Final Exam, 1:00-3:00 PM		