

Math 141 - Spring 2021 Tentative Schedule

Text: *Introduction to Topology*, Gamelin and Greene (Second edition)

Lecture	Date	Section	Topic	HW
1	Mar. 29	I.1	Open and closed sets	
2	Mar. 31		(continued)	
3	Apr. 2	I.2	Completeness	
4	Apr. 5	I.2/I.3	The real line	
5	Apr. 7	I.4	Products of metric spaces	HW 1
6	Apr. 9	I.4/I.5	Compactness	
7	Apr. 12		(continued)	
8	Apr. 14	I.5/I.6	Continuous functions	HW 2
9	Apr. 16		Review	
10	Apr. 19		Hour Exam #1	
11	Apr. 21	II.1	Topological spaces	HW 3
12	Apr. 23	II.1/II.2	Subspaces	
13	Apr. 26	II.2/II.3	Continuous functions	
14	Apr. 28	II.3/II.4	Base for a topology	HW 4
15	Apr. 30	II.4/II.5	Separation axioms	
16	May 3	II.5	(continued)	
17	May 5	II.5	(continued)	HW 5
18	May 7	II.6	Compactness	
19	May 10	II.7	Locally compact spaces	
20	May 12	II.8	Connectedness	HW 6
21	May 14		Review	
22	May 17		Hour Exam #2	
23	May 19	II.9	Path connectedness	HW 7

24	May 21	II.10	Finite product spaces	
25	May 24	II.12	Infinite product spaces	
26	May 26	II.12	(continued)	HW 8
27	May 28	II.12/II.13	Quotient spaces	
28	June 2		(continued)	HW 9
29	June 4		Review	