

Day #	Date	Modality	Book section	Topic	HW
1	W 8/25	Live on Zoom	1	Natural numbers, Peano Axioms, induction	
2	M 8/30	Pre-recorded	2	Rational numbers, proofs of irrationality	HW0
3	W 9/1	Pre-recorded	3, 4	Real numbers, sup, inf, completeness axiom	
4	M 9/13	Pre-recorded	4, 5	Archimedean property, density of rationals, infinity	HW1
5	M 9/20	Pre-recorded	7, 8	Sequences	
6	W 9/22	Pre-recorded	9	More sequences	
7	M 9/27	Live on Zoom	10	Monotone sequences and Cauchy sequences	HW2
8	W 9/29	Pre-recorded	11	Subsequences, Bolzano--Weierstrass Theorem	
9	M 10/4	Pre-recorded	14, 12	Series, Cauchy criterion, Ratio and Root tests	
10	W 10/6	Live on Zoom		Exercise/review session	
11	W 10/13	Pre-recorded	15	Alternating series, Integral test	HW3
12	M 10/18	Pre-recorded	17	Continuous functions	
13	W 10/20	Pre-recorded	18	Properties of continuous functions	
14	M 10/25	Pre-recorded	19	Uniform continuity	HW4
15	W 10/27	Live on Zoom	23	Power series, radius of convergence	
16	M 11/1	Pre-recorded	24	Uniform convergence	
17	W 11/3	Pre-recorded	25	More uniform convergence, Weierstrass M-test	
18	M 11/8	Pre-recorded	26	Differentiation and Integration of Power series	HW5
19	W 11/10	Pre-recorded	20, 28	Limits, Derivatives, Chain Rule	
20	M 11/15	Pre-recorded	29	Mean Value Theorem	
21	W 11/17	Pre-recorded	31	Taylor series	
22	M 11/22	Live on Zoom		Exercise/review session	HW6
23	W 11/24	Pre-recorded	32	Darboux and Riemann integrals	
24	M 11/29	Pre-recorded	33	Properties of integrals, dominated convergence	
25	W 12/1	Pre-recorded	34	Fundamental Theorem of Calculus	
26	M 12/6	Pre-recorded	n/a	Arzela-Ascoli Theorem	HW7
27	W 12/8	Pre-recorded	27	Weierstrass Approximation Theorem	
28	M 12/13	Live on Zoom		Final Review (Live online, via Zoom)	

W 12/15

FINAL EXAM (Online, 24h window, via Blackboard)