

MATH 312 Sections 1 & 2 Concepts of Real Analysis Fall 2023 Schedule

Lec.	Date	Section	Topic
1	8/21	2, 3	Introduction. Rational numbers. Ordered fields.
2	8/23	3, 4	Absolute value. Maximum and minimum. Upper and lower bounds.
3	8/25	4	Supremum and infimum. Completeness Axiom.
4	8/28	4, 5	Quiz 1. Archimedean property. Denseness of \mathbb{Q} in \mathbb{R} . Symbols ∞ and $-\infty$.
5	8/30	7, 8	Limits of sequences.
6	9/1		
-	9/4		<i>Labor Day - no classes.</i>
7	9/6		Quiz 2.
8	9/8		
9	9/11		Quiz 3.
10	9/13		
11	9/15		
12	9/18		Quiz 4.
13	9/20		
14	9/22		
15	9/25		Quiz 5.
16	9/27		
17	9/29		Review
18	10/2		Exam 1: Real numbers and sequences.
19	10/4		
20	10/6		
21	10/9		Quiz 6.
22	10/11		
23	10/13		
24	10/16		Quiz 7.
25	10/18		
26	10/20		
27	10/23		Quiz 8.
28	10/25		
29	10/27		
30	10/30		Quiz 9.
31	11/1		
32	11/3		Review.
33	11/6		Exam 2: Series and continuous functions.
34	11/8		
35	11/10		
36	11/13		Quiz 10.
37	11/15		
38	11/17		
	11/19-25		<i>Thanksgiving break - no classes</i>
39	11/27		Quiz 11.
40	11/29		
41	12/1		
42	12/4		Quiz 12.
43	12/6		
44	12/8		Review

Final Exam: TBA