

Math 378: Number Systems

Fall 2023 Course Schedule

September 2023						
◀ August						October ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
August 27	August 28 First Day of Class! Introductions and expectations	August 29	August 30 Chapter 1: The Peano Axioms	August 31	1	2
3	4 Labor Day, no classes	5 Homework 0 due at 11:59pm on Gradescope	6 Chapter 1: The Peano Axioms	7	8	9
10	11 Chapter 1: The Peano Axioms Chapter 2: The Natural Numbers as an Ordered Set	12	13 Chapter 2: The Natural Numbers as an Ordered Set	14	15	16
17 Homework 1 due at 11:59pm on Gradescope	18 Chapter 2: The Natural Numbers as an Ordered Set	19	20 Chapter 2: The Natural Numbers as an Ordered Set Chapter 3: Cardinality and Counting	21	22	23
24 Homework 2 due at 11:59pm on Gradescope	25 Quiz 1 Chapter 3: Cardinality and Counting	26	27 Chapter 3: Cardinality and Counting Chapter 4: The Integers	28	29	30

October 2023						
◀ September						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 Homework 3 due at 11:59pm on Gradescope	2 Chapter 4: The Integers	3	4 Chapter 4: The Integers Chapter 5: Exploring the Integers	5	6	7
8 Homework 4 due at 11:59pm on Gradescope	9 Chapter 5: Exploring the Integers	10	11 Chapter 5: Exploring the Integers	12	13	14
15	16 Quiz 2 Chapter 5: Exploring the Integers Chapter 6: Modular Arithmetic	17	18 Chapter 6: Modular Arithmetic	19	20	21
22 Homework 5 due at 11:59pm on Gradescope	23 Chapter 6: Modular Arithmetic	24	25 Chapter 6: Modular Arithmetic	26	27	28
29 Homework 6 due at 11:59pm on Gradescope	30 Chapter 7: The Rational Numbers	31				

November 2023

<div> ◀ October November 2023 December ▶ </div>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 Chapter 7: The Rational Numbers	2	3	4
5 Homework 7 due at 11:59pm on Gradescope	6 Chapter 7: The Rational Numbers Chapter 8: Sequences and Limits	7	8 Chapter 8: Sequences and Limits	9	10 Veterans Day Observed, no classes	11
12	13 Quiz 3 Chapter 8: Sequences and Limits	14	15 Chapter 9: Completeness and Continuity	16	17	18
19 Homework 8 due at 11:59pm on Gradescope	20 Chapter 9: Completeness and Continuity	21	22 Asynchronous Class: Give yourself one hour and use the internet to learn everything you can about constructing the real numbers. Write a paragraph explaining a few of the things you learned.	23 Thanksgiving Holiday, no classes	24 Thanksgiving Holiday, no classes	25
26 Homework 9 due at 11:59pm on Gradescope	27 Chapter 10: Constructing the Real Numbers	28	29 Chapter 10: Constructing the Real Numbers Chapter 11: Exploring the Real Numbers	30		

December 2023

◀ November

January ▶

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3 Homework 10 due at 11:59pm on Gradescope	4 Chapter 11: Exploring the Real Numbers	5	6 Last Day of Class Chapter 11: Exploring the Real Numbers	7	8 Homework 11 due at 11:59pm on Gradescope	9
10	11 Exam Week. Exam time and location TBD	12 Exam Week. Exam time and location TBD	13 Exam Week. Exam time and location TBD	14 Exam Week. Exam time and location TBD	15 Exam Week. Exam time and location TBD	16 Exam Week. Exam time and location TBD
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Grading Scheme

Assignment	Percentage of Final Grade
Homework	45%
Quiz 1	10%
Quiz 2	10%
Quiz 3	10%
Final	25%