

# Math 378: Number Systems

## Spring 2023 Schedule

MW 5:30 pm to 6:45 pm in Academic Hall 201

Text: Number Systems by Professors Wayne Aitken and Linda Holt

January 2023						
◀ December						February ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23 Start of the Semester	24 First Class Introduction and Expectations	25	26 Chapter 1: The Peano Axioms	27	28
29	30	31 Chapter 1: The Peano Axioms				

February 2023						
◀ January						March ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Chapter 1: The Peano Axioms	3	4
5	6	7 Chapter 2: The Natural Numbers as an Ordered Set Homework 1 (Exercises through Section 1.7) due at 11:59 pm on Gradescope.	8	9 Chapter 2: The Natural Numbers as an Ordered Set	10	11
12	13	14 Quiz 1 Chapter 3: Cardinality and Counting	15	16 Chapter 3: Cardinality and Counting Homework 2 (Exercises through Section 2.7) due at 11:59 pm on Gradescope.	17	18
19	20	21 Chapter 3: Cardinality and Counting  Chapter 4: The Integers	22	23 Chapter 4: The Integers Homework 3 (Exercises through Section 3.9) due at 11:59 pm on Gradescope.	24	25
26	27	28 Chapter 4: The Integers  Chapter 5: Exploring the Integers				

<div> <div>◀ February</div> <div>March 2023</div> <div>April ▶</div> </div>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Chapter 5: Exploring the Integers	3	4
5 Homework 4 (Exercises through Section 4.11) due at 11:59 pm on Gradescope.	6	7 Quiz 2 Chapter 5: Exploring the Integers	8	9 Chapter 5: Exploring the Integers  Chapter 6: Modular Arithmetic	10	11
12 Homework 5 (Exercises through Section 5.15) due at 11:59 pm on Gradescope.	13	14 Chapter 5: Exploring the Integers & Euclid's Algorithm  Chapter 6: Modular Arithmetic	15	16 Chapter 6: Modular Arithmetic	17	18
19 Spring Break	20 Spring Break	21 Spring Break	22 Spring Break	23 Spring Break	24 Spring Break	25 Spring Break
26	27	28 Chapter 6: Modular Arithmetic	29	30 Chapter 7: The Rational Numbers	31 Cesar Chavez Day-Campus Closed	

<div> <div>◀ March</div> <div>April 2023</div> <div>May ▶</div> </div>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2 Homework 6 (Exercises through Section 6.9) due at 11:59 pm on Gradescope.	3	4 Quiz 3 Chapter 7: The Rational Numbers	5	6 Chapter 8: Sequences and Limits	7	8
9 Homework 7 (Exercises through Section 7.7) due at 11:59 pm on Gradescope.	10	11 Chapter 8: Sequences and Limits	12	13 Chapter 9: Completeness and Continuity	14	15
16 Homework 8 (Exercises through Section 8.8) due at 11:59 pm on Gradescope.	17	18 Chapter 9: Completeness and Continuity	19	20 Chapter 10: Constructing the Real Numbers	21	22
23 Homework 9 (Exercises through Section 9.6) due at 11:59 pm on Gradescope.	24	25 Quiz 4 Chapter 10: Constructing the Real Numbers	26	27 Chapter 10: Constructing the Real Numbers  Chapter 11: Exploring the Real Numbers	28	29
30 Homework 10 (Exercises through Section 10.8) due at 11:59 pm on Gradescope.						

May 2023						
◀ April						June ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
Homework 10 (Exercises through Section 10.8) due at 11:59 pm on Gradescope.	1	2 Chapter 11: Exploring the Real Numbers	3	4 Chapter 11: Exploring the Real Numbers  Chapter 12: The Complex Numbers	5	6
7 Homework 11 (Through Exercise 13) due at 11:59 pm on Gradescope.	8	9 Chapter 12: The Complex Numbers  Other Optional Topics	10	11 Chapter 12: The Complex Numbers  Other Optional Topics	12 Homework 12 (Exercises through Section 12.9) due at 11:59 pm on Gradescope.	13
14	15	16 Final Exam 8:30 pm to 10:30 pm in Academic Hall 201	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

## Course Grading Scheme

<b>Quiz 1</b>	<b>10%</b>
<b>Quiz 2</b>	<b>10%</b>
<b>Quiz 3</b>	<b>10%</b>
<b>Quiz 4</b>	<b>10%</b>
<b>Homework</b>	<b>35%</b>
<b>Final</b>	<b>25%</b>