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

◄ December

January 2023

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				

◄ January

February 2023

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				

◄ February

March 2023

April ►

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	13	14 Chapter 5: Exploring the Integers & Euclid's Algorithm Chapter 6: Modular Arithmetic	15 Homework 5 (Exercises through Section 5.15) due at 11:59 pm on Gradescope.	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	

◄ March

April 2023

May ►

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** **Reid Lecture 6-7 pm** **Chapter 7: The Rational Numbers**	**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 8: Sequences and Limits**	**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 9: Completeness and Continuity**	**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**	**28**	**29**
30 Homework 10 (Exercises through Section 10.8) due at 11:59 pm on Gradescope.						

◄ April

May 2023

June ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 **Chapter 10: Constructing the Real Numbers** **Chapter 11: Exploring the Real Numbers**	3 Homework 10 (Exercises through Section 10.8) due at 11:59 pm on Gradescope.	4 **Chapter 11: Exploring the Real Numbers**	5	6
7 Homework 11 (Through Exercise 13) due at 11:59 pm on Gradescope.	8	9 **Chapter 11: Exploring the Real Numbers** **Chapter 12: The Complex Numbers**	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

Quiz 1	**10%**
Quiz 2	**10%**
Quiz 3	**10%**
Quiz 4	**10%**
Homework	**35%**
Final	**25%**