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

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

February 2023

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**				

March 2023

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	

April 2023

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						

May 2023

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%