

# Math 378: Number Systems

## Fall 2023 Course Schedule

September 2023						
◀ August						October ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>August 27</b>	<b>August 28</b> First Day of Class! Introductions and expectations	<b>August 29</b>	<b>August 30</b> Chapter 1: The Peano Axioms	<b>August 31</b>	1	2
3	4 Labor Day, no classes	5	6 Chapter 1: The Peano Axioms Homework 0 due at 11:59pm on Gradescope	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 <a href="#">SMIMIC Talk</a>	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 <a href="#">SMIMIC Talk</a>	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 <a href="#">SMIMIC Talk</a>	27	28
29 Homework 6 due at 11:59pm on Gradescope	30 Chapter 7: The Rational Numbers	31 Halloween 				

# November 2023

November 2023						
◀ October						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			<b>1 Chapter 7: The Rational Numbers</b> <b>Día de los Muertos</b> 	<b>2 <a href="#">SMIMIC Talk</a></b>	<b>3</b>	<b>4</b>
<b>5 Homework 7 due at 11:59pm on Gradescope</b>	<b>6 Chapter 7: The Rational Numbers</b> <b>Chapter 8: Sequences and Limits</b>	<b>7</b>	<b>8 Chapter 8: Sequences and Limits</b>	<b>9 <a href="#">SMIMIC Talk</a></b>	<b>10 Veterans Day Observed, no classes</b>	<b>11</b>
<b>12</b>	<b>13 Quiz 3</b> <b>Chapter 8: Sequences and Limits</b>	<b>14</b>	<b>15 Chapter 9: Completeness and Continuity</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19 Homework 8 due at 11:59pm on Gradescope</b>	<b>20 Chapter 9: Completeness and Continuity</b>	<b>21</b>	<b>22 Asynchronous Class:</b> 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.	<b>23 Thanksgiving Holiday, no classes</b>	<b>24 Thanksgiving Holiday, no classes</b>	<b>25</b>
<b>26 Homework 9 due at 11:59pm on Gradescope</b>	<b>27 Chapter 10: Constructing the Real Numbers</b>	<b>28</b>	<b>29 Chapter 10: Constructing the Real Numbers</b> <b>Chapter 11: Exploring the Real Numbers</b>	<b>30 <a href="#">SMIMIC Talk</a></b>		

# 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 Final Exam 4-6 pm Academic Hall 404	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

