Wednesday August 27
Complete Preview Assignment #1

Read Section 1.3

Friday August 29
Complete Preview Assignment #2.

Section 1.3 – Complete Exercises 1, 3, 7, 8, 9, 13, 17, 19, 23, 37, 41, 42, 43

Read Section 1.7

2 Wednesday September 3
Section 1.7 – Complete Exercises 1, 5, 9, 26, 27, 28, 29, 32, 33, 35 (review of matrix algebra)

Complete Preview Assignment #3, which is Coding Activity #1.

Read pages 1 – 5 in the Equivalence Relations handout. (Or read through Example 3 in Section 1.6 of the text.

We will discuss this and the rest of the handout in class.

Friday September 5
Section 1.6 – Complete Exercises 1, 7, 11, 15, 17, 23, 27, 29, 33, 35.

Discuss Coding Activity #1.

Do Coding Activity #2 in class.

Monday September 8
Read the first four pages in the handout whose title is “The Integers Modulo n.”

Complete Preview Activity #4, which is Activity 7.20 in the handout.

3 Wednesday September 10
Review material in Section 2.1 through Example 2. Do not worry about the proof of the Division Algorithm.

Complete Preview Assignment #5.
Read the handout on Greatest Common Divisor through Example 8.2.
Friday September 12
Section 2.1 – Complete Exercises 23, 29, 30, 33, 37, 41, 43, 47, 49, 53, 54, 61
Complete Preview Assignment #6.

Monday September 15
Section 2.3 – Complete Exercises 5, 7, 15, 24, 27, 29, 31, 32

4 Wednesday September 17
Review day.

Friday September 19
In Class Preview Assignment and discussion of rings. Begin Section 3.1.

Monday September 22
Assignment #1 is due.

Section 3.1 – Complete Exercises 13, 15, 16, 17, 21, 27, 33

In class – discuss Sections 3.1 and 3.2.

5 Wednesday September 24
Section 3.2 – Complete Exercises 15, 21, 22, 34, 39, 40, 41, 43, 44, 45, 46, 49

In class – complete discussion of Section 3.2.

Friday September 26
Complete Preview Assignment #8 – Properties in the Ring of Integers

Read through Theorem 3.2 in Section 3.3 of the text.

In class – discuss Section 3.3

Monday September 29
Complete Preview Assignment #9 – Properties of Multiplication in a Ring

Section 3.3 – Complete Exercises 7, 8, 9, 13, 19, 21, 25, 30, 31, 32

In class – Discuss Section 3.5
6 Wednesday October 1  
Section 3.5 – Complete Exercises 1, 5, 10, 11, 13, 14, 16, 17, 25, 31, 32

Friday October 3  
Review for Test #1

Monday October 6 Test #1

7 Wednesday October 8  
Complete Preview Assignment #10

In class – discuss Section 3.4

Before the next class, complete the following Exercises:  
Section 3.4: 2, 5, 6, 9, 10, 13, 15, 19

Friday October 10  
Complete Preview Assignment #11

In Class – discuss Sections 3.4 and 4.1

Before the next class, complete the following exercises:  
Section 3.4: 25, 27, 31, 33, 42, 45  
Section 4.1: 1, 5, 11, 15, 17

Monday October 13  
In Class – Discuss Section 4.1

Before the next class, complete the following exercises:  
Section 4.1: 22, 24, 25, 26, 28, 35

8 Wednesday October 15  
Complete Preview Assignment #12 – deals with injections and surjections.

In Class – discuss Section 3.6

Before the next class, complete the following exercises:  
Section 3.6: 1, 3, 6, 13, 16, 19, 22, 23
Friday October 17
In Class – discuss Section 3.6.

Before the next class, complete the following exercises:
Section 3.6: 25, 26, 29, 30, 35, 39, 45, 50

Monday October 20
In Class – Discuss Section 3.7

Before the next class, complete the following exercises:
Section 3.7: 1, 3, 16, 17, 19

Wednesday October 22
In Class – Discuss Section 3.7 and Section 4.1

Before the next class, complete the following exercises:
Section 3.7 – 21, 22, 25, 31, 35, 37
Section 4.1 – 1, 3, 11

Friday October 24
In Class – Discuss Section 4.1

Before the next class, complete the following exercises:
Section 4.1 – 15, 23, 27, 29, 31, 32, 36, 37

Monday October 27
Complete Preview Assignment #13

In Class – Discuss Section 4.2

Before the next class, complete the following exercises:
Section 4.2 – 1, 5, 13, 14, 17

Wednesday October 29
In Class – Discuss Section 4.2

Before the next class, complete the following exercises:
Section 4.2 – 27, 28, 30, 31, 32, 36
Wednesday November 5
Preview Assignment #14 due.

In Class – Discuss Section 5.1

Before the next class, complete the following exercises:
Section 5.1 – 6, 7, 11, 15, 25, 28, 29

Friday November 7
In Class – Discuss Section 5.1

Before the next class, complete the following exercises:
Section 5.1 – 17, 23, 34, 37, 39, 40, 41, 43

Monday November 10
Preview Assignment #15 due.

In Class – Discuss Section 5.2

Before the next class, complete the following exercises:
Section 5.2 – 1, 5, 9, 13, 25, 27, 28, 29

Wednesday November 12
In Class – Discuss Section 5.2

Before the next class, complete the following exercises:
Section 5.2 – 17, 20, 21, 35, 36, 37, 39

Mistake in statement of Exercise 39: If \( p(x) \) and \( u(x) \) are relatively prime and \( p(x) \) divides \( u(x)v(x) \), then \( p(x) \) divides \( v(x) \).

Friday November 14
Complete Preview Assignment #16
In Class – Discuss Section 5.3

Before the next class, complete the following exercises:
Section 5.3 – 1, 7, 9, 13, 15, 17, 33, 34, 35
Monday November 17
In Class – Discuss Section 5.3

Before the next class, complete the following exercises:
Section 5.3 – 18, 19, 23, 27, 29, 32, 36, 37, 39, 45

Wednesday November 19
In Class – Discuss Sections 5.3 and 5.4

Before the next class, complete the following exercises:
Section 5.4 – 3, 7, 13, 21, 23, 33

Friday November 21
In Class – Discuss Section 5.4

Before the next class, complete the following exercises:
Section 5.4 – 15, 17, 35, 38, 39(a)

Monday November 24
In Class – Discuss Section 5.5

Before the next class, complete the following exercises:
Section 5.5 – 13, 17, 25, 31,

Monday December 1
In Class – Discuss Section 5.5

Before the next class, complete the following exercises:
Section 5.5 – 41, 47, 48