Math 540 Homework

- **Week 1 Homework**
  Chapter 2. 2, 3, 5, 6, 7

- **Week 2 Homework**
  Chapter 2. 9, 10, 12, 13, 14, 15, 16
  Chapter 3. 1, 2, 4, 6

- **Week 2 Homework**
  Chapter 2. 9, 10, 12, 13, 14, 15, 16
  Chapter 3. 1, 2, 4, 6

- **Week 3 Homework**
  Chapter 2. 4
  Chapter 3. 9, 10

- **Week 4 Homework**
  Chapter 3. 12, 13, 16, 24
  Additional problem: Prove Corollary 3.50 in the textbook.

- **Week 5 Homework**
  Chapter 4. 1, 3, 5, 6, 7, 8, 9

- **Week 6 Homework**
  Chapter 4. 10(1).
  Additional problem: Prove Theorem 4.45 in the textbook.

- **Week 7 Homework**
  Chapter 4. 11
  Chapter 5. 1, 2

- **Week 8 Homework**
  Chapter 5. 4, 5, 6, 7, 8, 9, 10