ECE 5530/6530 Digital Signal Processing
Assignment 2

Submission guidelines (READ CAREFULLY)

- All submissions (pdf or doc) must be done using Canvas.

- Scanned hand written submissions will be accepted; however, it is the student's responsibility to ensure that the answers are easily legible. Otherwise, you may lose points.

- Make sure you are using the correct edition (4th) of the textbook to ensure you are solving the correct problems.

- For late policy refer to syllabus.

Questions from the textbook

1. Problem 2.7. Answer subquestions (1) through (5) for parts (a) through (e). (10 points)

2. Problem 2.11 (10 points)

3. Problem 2.16 part (b3) and (b11) (10 points)

4. Problem 2.24. (10 points)

5. Problem 2.27. Determine the homogeneous, particular and total solutions. (15 points)

6. Problem 2.31. (10 points)

7. Problem 2.46. (10 points)

8. Problem 2.49 part (a). Assume that the system is relaxed. (10 points)

9. Problem 2.52 part (a). (15 points)