

# Homework Six

## Physics and Math of Sustainable Energy

### College of the Atlantic

Due Friday<sup>1</sup>, October 24, 2025

There are two parts to this assignment.

**Part 1: WeBWorK.** Do Homework 06 which you will find the WeBWorK page here: <https://webwork-hosting.runestone.academy/webwork2/coa-feldman-es1056i-fall2025> I recommend doing the WeBWorK part of the homework first. This will enable you to benefit from WeBWorK's instant feedback before you do part two.

**Part 2: Problems from the Textbook.** Here are some instructions for how to submit this part of the assignment.

- Do the problems by hand using pencil (or pen) and paper. There is no need to type this assignment.
- Please scan your work and submit on google classroom.

The problems you should do are from **Chapters 19 and 26** of the book:

#### Chapter 19

1. 19.2
2. 19.3
3. 19.4 (Scientific notation is your friend! Please do not do this problem without it!!)
4. 19.5

#### Chapter 26

1. 26.3
2. 26.4
3. 26.6
4. 26.7

**Note:** For Chapter 26 problems 3 and 4, you should not have to do difficult or lengthy calculations. If you find yourself doing more than a line or two of math, stop and ask for help!

---

<sup>1</sup>Early next week is fine!