

**PSE 132 / BPE 132: Orientation Seminar
Fall 2010**

Homework

Short homework assignments will be given throughout the semester. These homeworks are designed to explore the topics that are covered in class and include self-reflection on your skills and knowledge. Completion of these assignments will help you understand engineering as a profession, the skills needed, and the path to success in your career.

Homework Due Dates: All homework assignments are due in class one week after the assignment date. If class does not meet on that day, the assignment is due at the next subsequent scheduled class meeting (either Wednesday or Thursday).

Homework Guidelines: All homeworks are expected to conform to the following guidelines. Note carefully the maximum communication score for non-conforming homeworks is 4.

1. Use white $8\frac{1}{2} \times 11$ or A4 paper with no rough edges (trim paper torn from spiral notebooks).
2. Unless otherwise indicated, assignments are a maximum of one page.
3. Place your name on the top sheet and initials on all subsequent sheets.
4. All written submissions must be typed (no handwritten material accepted).

Homework Grading: Homework will be graded on both its content (“technical grade”) and its appearance (“Communication grade”) according to the rubrics given below. The final grade on the homework will be the average of these two scores.

Communication Rubric Scores

5	Organization is sequential and appropriate; sentence structure is effective with correct syntax; virtually free of punctuation, spelling, and other errors; exceptional vocabulary.
4	The solution conforms to the guidelines for homework solutions; competent organization; contains minor proofreading errors; occasional punctuation, spelling and other errors; good vocabulary.
3	Limited attempts to organize; some errors in sentence construction; several punctuation, spelling, and other errors; ordinary vocabulary.
2	Some attempt at organization, but unsuccessful; errors of sentence structure; many errors of punctuation, spelling, and other errors; some errors of vocabulary.
1	Paragraph structure does not exist; multiple, serious errors of sentence structure; frequent punctuation, spelling, and other errors; inappropriate vocabulary.
0	No legible work provided.

Technical Rubric Scores

5	Assignment fully addressed and answer clearly developed.
4	Assignment competently and addressed demonstrating adequate understanding of assigned topic.
3	Assignment mostly intelligible, but answer may be weak, unclear, or only indirectly addressed.
2	Assignment simplistically done and answer unfocused.
1	Assignment shows signs of confusion; answer missing essential information.
0	No legible work provided.

PSE 132 / BPE 132 Assignments

Number	Date	Assignment
#1	1 Sep	Resume highlights: Based on our discussion in class, describe three items that you would like to highlight on your resume.
#2	8 Sep	Draft resume: Create a draft of your resume.
#3	16 Sep	Draft resume: Working with your advisor, create a final, approved draft of your resume. Provide both paper and electronic copies as instructed in class.
#4	22 Sep	Self-improvement: Based on the two lectures provided by student life and the information in chapters 3 and 4, describe the steps you will take to improve your learning process at SUNY-ESF.
#5	30 Sep	Engineers' roles I: Describe the roles that engineers play at InBev. You should also draw on information in chapter 2 of the text.
#6	7 Oct	Skills needed: Describe the skills needed to be successful at a summer internship.
#7	14 Oct	SPPF Meeting: Attend SPPF meeting events and meet with employer representatives, alumni, etc. Based on these interactions, identify and describe your strengths and areas of improvement.
#8	28 Oct	Engineers' roles I: Describe the roles that engineers play at Rock-Tenn Solvay. You should also draw on information in the text.
#9	3 Nov	Ethics assignment: Complete the assignment provided in class.
#10	10 Nov	Course evaluation: Complete the evaluation provided in class.