Instructions:

As usual, remember that only one person records the homework. Either send an electronic version of your solutions to this assignment as an attachment to an email to the grader, Rosemary Hamlin (rmeagleone@msn.com), by 5:00 PM on Wednesday, March 1 or give a hardcopy to Prof. Rehmann in class.

14. I sent students in CE 203 an announcement for a Research Experience for Undergraduates from the University of Texas at Austin. The application requires a one-page essay. Pretend that you are going to write an essay for the application. Describe your purpose, audience, context, and content for this essay. In describing these rhetorical factors, consider the questions in the lecture notes.

15. Write a brief outline for the essay in problem 14. (You may make up career goals and academic interests that fit this opportunity.) Remember that it is a one-page essay.

16. In his State of the Union Address George W. Bush mentioned pursuing alternative fuels such as those based on ethanol. If you were to write a report on the benefits and disadvantages of ethanol, you would need several authoritative sources. Find three journal articles that discuss the advantages and disadvantages of ethanol for fuel. Give the names of the authors, the year of publication, the article title, journal title, journal volume, and page range. You might try using Engineering Village 2 or Web of Science (through Web of Knowledge); you can get to these from the ISU Library website.

17. Clarify these sentences by removing errors and wordiness. For each, explain your corrections.

   a. The young girl was walking the dog in a blue skirt.
   b. In order to give an estimate of the dissipation, we made measurements of the velocity with PIV, which is capable of achieving small-scale resolution.
   c. Upon visual inspection, there are three discernible regimes.
   d. While driving on Greenwood Avenue yesterday afternoon, a tree began to fall toward Wendy’s car.
   e. Every time I travel by airplane it snows, I do not like this.
   f. The reason the Austrian team won the Nordic Combined event was because they jumped longer distances than any other team.
   g. Due to the fact that he experienced a sudden illness, it was necessary that the trip be moved to a later date.