

## **ChEE 201 Discussion Session Projects**

The discussion sessions will be used to solve further problems from the book. To make these sessions more active and useful to students, student groups will be chosen to present their solution on the board. The intent is to have students learn how other students are learning the material and how they are attacking the problem solution. Each student learns differently and seeing a wide variety of solution methods will make you more aware of your own strengths. Each team will present a problem solution to the class twice during the semester, with two groups presenting each week.

Group duties may be divided among the students as they see fit, as long as each person contributes something to the finished project. Possible tasks that can be divided up are: group presenter, developer of a hand out, fielder of questions, creator of supplementary material, general preparation, etc. Use the self-identified skills from each member as a guide for assigning duties. Students are encouraged to be creative while keeping their problem solution to 20 minutes in length. Note: The purpose of the presentations is not to necessarily go right to the correct answer. Students should also be willing to discuss alternate approaches to solving the problem and why those solutions are better or worse than the one chosen for the presentation.

### **The objectives of the presentations are to:**

- 1) learn how to use the strengths within your group to produce a finished product
- 2) become more comfortable and capable of giving good presentations
- 3) learn how to solve problems better
- 4) learn how other students solve problems
- 5) learn how to ask and respond to verbal questions
- 6) learn how to manage a large group of people who have time conflicts

This is not meant to be a high stress event. This process is meant to be an introduction to how to present information to a target audience in a team.

### **Timeline for each presentation:**

Team meets about 1 week before presentation to go over problem and discuss solution  
Team divides up duties and assigns tasks with follow-up four days before presentation  
Team checks answer/hand out/Powerpoint with instructor two days before presentation  
Team submits final materials to the instructor to post to the web by midnight the day before the presentation  
Instructor posts handouts to the web  
Team gives presentation  
Team submits their formal document of team progress and organization to the instructor for evaluation  
Team receives peer evaluation forms to be returned during the next lecture period  
Instructor posts any final materials to the web  
Team receives peer evaluations back from the instructor  
Team meets to discuss any final wrap-up details if necessary