Cooperative learning for EECE 351

1. Groups for homework.
2. Reason for using cooperative learning.
3. WWW page for cooperative learning.
5. Objectives of group work.
6. Individual accountability.
7. Periodic group-assessment.

Individual work needed:

Quizzes
Exams
Cooperative Learning

1. Positive interdependence
2. Individual accountability
3. Face-to-face interaction
4. Appropriate use of interpersonal skills
5. Regular self-assessment of group functioning

Cooperative learning is not:

Group projects with one or two students doing all the work

WWW for cooperative learning:

http://www.ncsu.edu/felder-public/Cooperative_Learning.html
http://www.co-operation.org/
Benefits of Cooperative learning

1. Student-faculty interaction
2. Student-student interaction
3. Information retention
4. Academic achievement
5. Higher-level thinking skills
6. Higher motivation
7. Teamwork, interpersonal skills
8. Understanding of professional environment
9. Communication skills

Why it works:

* Active learning
* Groups keep going (alone you give up earlier)
* You see alternative problem solving strategies of colleague
* Cognitive rehearsal: You learn best what you have to teach to a colleague
Goals

1. Prepare homework solutions as a team and practice problem solving.
2. Increase your personal communication skills and interpersonal skills in a group setting.

Individual accountability

1. Groups are responsible for seeing that non-contributors will not be listed on the homework solutions.

2. Everybody in your group will rate your contribution four times (after every three homework assignments). Rating can result in different grades per person. Individual effort rating sheets must be given to me individually after HW 3, 6, 9, and 12.

3. Everybody in your group should be able to answer questions about your homework in quizzes.

4. Last resort: Firing and Quitting.