

**UNC Charlotte, Department of Electrical and Computer Engineering**  
**ECGR 4101/5101, Fall 2012, Homework #11**  
**Submit MS Word file using Moodle (20 points)**

It should be obvious, but you may NOT use questions from previous tests or that have been submitted by other students from other semesters (including this semester)!!!

**Part A:** Write three multiple-choice questions suitable for the final exam. The requirements:

1. They must be typed.
2. There must be five choices for answers.
3. Only one answer should be possible. Identify the answer by “**bolding**” it.
4. Ensure the questions and answer-choices are clear.
5. It must be on material covered for the entire class.

The scoring for each question will be:

- 1 point: Clear question, from material covered since the start of semester
- 1 point: Clear and reasonable answer-choices, answer correct and **bolded**
- 1 point: Quality of question and answer-choices (spelling, grammar, adherence to class material)
- 1 point: Difficulty of question (determined by your instructor)

Hints:

- You can include a picture, drawing, or code listing, and ask several questions related to the inserted item.
- You can provide several supporting lines or identify a problem, and then ask several questions related to the problem you set up.
- ENSURE there is only one correct answer.

**Part B:** Write one "long" answer question, something that requires design and thought

The scoring the question will be:

- 2 points: Clear question, from material covered since the beginning of the semester.
- 2 points: Answer and full detailed solution to question provided. (note - if the answer is too difficult to type, you can scan a hand-written answer. Make sure you turn in a hard copy by 12/10, noon.
- 3 points: Quality of question and answer (spelling, grammar, adherence to class material)
- 1 points: Difficulty of question (determined by your instructor)