

**UNC Charlotte, Department of Electrical and Computer Engineering
ECGR 4101/5101, Fall 2005, Homework #1 Solution - 20 points**

1. Office Hours: when the office door is opened and the instructor is available.
2. The quick way to get answer is by sending an e-mail.
3. Exam dates: -Mid-semester exam: October 12, class time in regular classroom; Final exam: December 16.
4. Last day to withdraw or drop the course without a grade is 08/29/2005
5. Copying from another student's assignment or receiving unauthorized assistance is considered cheating on a homework assignment.
6. Using someone else's typed assignment and changing the name to my name
Considered as cheating because of using unauthorized materials, but it can be considered also as PLAGIARISM as described on the definitions of violations.
7. It is not acceptable to give someone my typed assignment before the date/time
Since this will be considered as unauthorized communication of information during the academic exercise and eventually as cheating.
8. Copying reports, laboratory work, computer programs or files and the like from other students; collaborating on laboratory or computer work without authorization and without indication of the nature and extent of the collaboration is considered as a cheating on a lab assignment.
9. The two choices that the student has are to admit guilt and accept the penalty by signing the form. If the student agrees to sign, he/she does so in the presence of the faculty member who then implements the penalty. The faculty member forwards the settlement form to the Dean of Students, who keeps a record of first offenses for five years, and thus the matter is ended. If the student decides not to admit guilt or not to accept the penalty, the faculty member *must* take the case to the Chairperson of the AIB, if *any* penalty is to be imposed.
10. None
11. It is not acceptable to copy web content and call it your own. You may copy small pieces of it if you cite the source and include the copied text in quotes (i.e. "copied text here" [1]).
12. Summary of Mr. Gansle fears amongst the firmware development community:
"His fear coming from the facts summarized by the following equations:
Electrical Engineer = high hardware skills + weak software skills. And,
Computer programmer = high software skills + weak hardware skills.
Resultant the bad implications over the developed projects."
13. ECGR4101/5101 can help alleviate some of the pitfalls discussed in the article and reader comment as follows:
"Having the well known idea that the function implemented using hardware could be implemented by software as well, tradeoffs between the two aspects to build a system must be considered. To be able to do that we have to have the knowledge of how the high level languages compiled, assembled, and interact with the available hardware to do the required tasks with high speed, low cost and reliable circuits and sensors"