Note: This syllabus is for the lab portion of the course only.

Instructor: James Flynn
Office: In JD1536
Office Hours: During class.
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Corequisite: ECE 425


Online Resources:
- ARM assembly guide: http://www.heyrick.co.uk/assembler/
- UM10139 LPC214x User manual, NXP Semiconductors.
- ARM Developer Suite, Assembler Guide, ARM.
- ARM information center: http://infocenter.arm.com

Grading: 11 Lab Reports on a ten point system. Two points for spelling, grammar, and eight points for the report content. Lab reports are due one week following the performance of the experiment in the lab. Late reports will not be accepted. The format for the lab reports will be covered in the first lab session.

NOTE: The specific requirements for a particular lab may be changed by the instructor during the lab. Failure to meet ALL the requirements for a lab will result in a grade of F for the lab.

One of the goals of this course is to improve students' written and verbal skills. Students are encouraged to meet with the instructor during his office hour to review their lab reports before or after submission.

Students will work in teams on most labs. However, some labs will be performed individually and each student will be required to turn his/her own lab report. These experiments will be announced at least one week in advance.

Each student's grade will be based upon his/her own work. Any student found cheating on any graded material (whether in class or take home) will not be considered to have met the basic requirements of this course and thus will receive the grade of F for the course. Cheating will also result in the appropriate disciplinary action being taken. +/- grading will be used. Properly cite and credit any and all sources for text and/or graphics used in the report.

Exams: No exams will be given in this lab.

Learning Objectives -- After completing this course the students should be able to:
- Understand ARM7 microprocessor architecture
- Write ARM7 assembly language programs
- Design and program ARM-based application systems.