CSCE 313: Embedded Systems

Meeting times: MW 8:05-9:20

Locations: Lecture: 300 Main St. B110
Labs: Swearingen 1D39 (2-5-4-3-1) and 3D22 (5-1-2-4-3)

Textbook: Embedded Systems: ARM Programming and Optimization, Elsevier (optional)
+ online materials

Prerequisites: CSCE 211: Digital Logic Design
CSCE 212: Introduction to Computer Architecture
CSCE 240: Intro. to Software Engineering (recommended)

Instructor: Dr. Jason D. Bakos
E-mail: jbakos@cse.sc.edu
Office: Storey Engineering and Innovation Center room 2213
Webpage: http://www.cse.sc.edu/~jbakos
Phone: 777-8627 (x7-8627)
Office hours: MW 9:30 to 11:00

Teaching assts: Rasha Karakchi and Charles Daniels
E-mail: karakchi@email.sc.edu, cad3@email.sc.edu
Office: Storey Engineering and Innovation Center room 2236
Office hours: Rasha: T/TH 10:00 to 11:00
Charles: M 10:40 to 11:30, W 10:40 to 12:00

Grading structure
Lab 1: Lighting up the DE2 Board 15%
Lab 2: Image transformations and video out 15%
Lab 3: Performance analysis and code tuning 15%
Lab 4: Multiprocessor systems 1 15%
Lab 5: Multiprocessor systems 2 20%
Lab 6: High resolution, fixed-point fractal generation 20%

Academic Honesty Policy
Students are encouraged to assist their colleagues for the purpose of overcoming technical challenges related to the use of the design tools. Also, students working on a group project must (by definition) perform joint work. Any collaboration beyond these exceptions is prohibited and is subject to the university’s guidelines, regulations, and policies regarding academic dishonesty.

Group Work Policy
All projects require that students work in groups. Choose your group partner wisely. Each of the partners will receive the same grade for all labs.
**Project Submissions**
Submitted projects must compile (both hardware and software) to receive partial credit.

Each group must submit each project on Dropbox by 11:59PM on the due date.

Late projects will be charged a 10% grade penalty for each school day after the due date, limited to a maximum of 30%.

At most, each group may only submit **one version** of any project (no resubmissions).

**Students with Disabilities**
Any student with a documented disability should contact the Office of Student Disability Services at 777-6142 to make arrangements for appropriate accommodations.

**Syllabus Change Policy**
This syllabus is a guideline for the course and is subject to change with reasonable advance notice.