CMPE 125/L Syllabus - Winter 2013
Logic Design with Verilog

Prof. Matthew Guthaus
University of California, Santa Cruz
January 7, 2013

Class Times

- Lecture: MW 5pm - 6:45pm, Physical Sciences 110
- Lab Section 1: MW 9am - 11am, Baskin 104
- Lab Section 2: MW 1pm - 3pm, Baskin 104

Instructors

- Instructor: Prof. Matthew R. Guthaus
  - Email: mrg@ucsc.edu, put CMPE 125 in the subject
  - Office Hours: Monday 12-1:30pm (or by appointment) in E2-225
  - VoIP Number: (831) 406-1851

- Teaching Assistant: Jeff Butera
  - Email: jbutera@ucsc.edu
  - Office Hours: In lab sections

Key Dates

- Midterm Exam 1: Wednesday, February 13 (in class)
- Midterm Exam 2: Wednesday, March 13 (in class)
- MLK Day, Monday, January 21 (No Class)
- President’s Day, Monday, February 18 (No Class)

Required text book


Online Resources

All online resources will be available on the web site at

https://courses.soe.ucsc.edu/courses/cmpe125/Winter13/01

This includes lecture slides, schedule and discussion forum.

Please use the forum to post questions to the instructor(s) about lab and class material, ask questions to other students, or start discussions about class and lab material. Check this web site and your
UCSC email often as class announcements will be made on here or sent to your UCSC email account. It is suggested that you subscribe to all forum notifications by clicking the “+” sign. Direct e-mail to the instructor should only be used for private (e.g. grade questions, medical emergencies, etc.) questions.

All lab assignments will posted, submissions accepted and grades given via the eCommons website at


In order to access this, you must have a valid UCSC login ID and be registered for class on my.ucsc.edu.

**Course Work**

Attendance is highly recommended for the lectures as the material rapidly builds upon each topic. The lecture slides will be available on the class website shortly after class, but you are responsible for seeking out notes from classmates if you are absent. There will be two exams during the quarter and a large final project with small teams. The exams will be based on homework, lab and lecture material. No calculators are ever allowed for any exam, using one will be considered cheating.

**Class Evaluation**

The class grade is determined by the following criteria:

- Homework 100 points (4 x 25 points each)
- Exam 1 200 points
- Exam 2 200 points
- Labs 500 points
- TOTAL 1000 points

The above points may be augmented with in-class pop quizzes if the instructor deems necessary. You must attend lecture in order to take the pop quizzes and cannot take them late.

Most importantly:

**YOU WILL RECEIVE THE SAME GRADE FOR BOTH THE LECTURE AND LAB.**

The material covered in the lab is meant to reinforce the material presented in class. Thus doing well in the lab will directly improve your performance on exams and homework. Assume that CMPE 125 and 125L are one 7-unit course. If you fail the lecture, you will also receive a failing grade in lab.

**Lab Work - CMPE 125L**

You must be enrolled in CMPE125L to remain in CMPE125. Attendance in lab section is required so be sure to enroll in a section you can attend. The lab section is also where you should ask questions from the TA, so prepare beforehand to ask good questions! Changing lab sections is not allowed due to limited resources.

Lab assignments will require researching information in order to complete them. Some of this information is provided to you in the form of manuals and data sheets for the FPGA and the Digilent ATLYS board, but you need to read these documents to find the relevant information. Questions should be asked on the course forum or in lab section.

No collaboration is allowed on lab assignments unless explicitly permitted in the assignment write-up. When permitted, collaboration must be acknowledged and may only be with current course staff or students currently enrolled in CMPE 125L. Failure to give credit when collaboration is allowed is a form of academic dishonesty and can be grounds for failure of the course. You are not allowed at any point to share actual code with another student unless you are in a professor approved pair, collaboration is the discussion of the topic and how to solve it at a high level. You should not take any notes or exchange any written or electronic information.
Homework and Lab Submission

Homework is due at the beginning of class. A selected set of the homework problems will be graded and will be used to create your homework score. The set is randomly selected but is the same for each student. For example, a homework may consist of 10 problems but only 5 might be graded. If you get 90% on those 5 problems, that is your grade for the entire homework. If you skip a problem, you may get lucky and it might not be graded!

All lab assignments must be submitted online via eCommons. Information on submitting lab assignments is available at:

http://its.ucsc.edu/ecommons/documentation/student/assignments-tool.html

You can see a video on this submission process here at

http://www.youtube.com/watch?v=doHDSDK9c3I.

Make sure to confirm that your assignment is SAVED and SUBMITTED before the deadline. You may resubmit your assignment an unlimited number of times up until the due date. Submitting (or resubmitting) after the deadline will result in late penalties. Lab assignments will NOT be accepted in lecture, lab, or by e-mail. Submit online early to be sure you make the deadline!

Late Assignments

Homework, exams and (possible) quizzes are not accepted after the due date. Lab assignments, however, may be submitted late online via eCommons, but will be penalized 10% for each day they are late. Partial days count as a full late day. After 5 days they will not be accepted and you will receive a 0 for that lab. Weekends and holidays are included in late penalties since submission is online via e-Commons.

Incompletes

Incompletes will be given only for medical and family emergencies. In this event, you must be in good standing (i.e. have a passing grade so far) and request an incomplete from the instructor before the end of the quarter.

Academic Integrity

All course work should be your own work. You may consult with me, the TA/tutor and other students, verbally and possibly with the use of a board. However, you must be able to produce the solution to the problem without any notes from this consultation. It will be necessary to spend some time thinking about a problem before consulting anyone. You must cite any materials (besides the text and course handouts) that you use to solve the problems. I take cheating very seriously and will report any incidents to your college Provost while giving a 0 grade for that assignment/exam/lab.

Academic Accomodations

If you would like to request academic accommodations due to a disability, please contact the Disabled Resource Center, 146 Hahn Student Services, (831)459-2089 (voice) (831)459-4806 (TDD/TTY). They can authorize specific accommodations for you on an Accommodation Request Form. Please present this form to the instructor in the first 2 weeks of the quarter so that we can discuss the accommodations you need for class. You will need to confirm with me again at least two weeks before each exam about your testing accommodations.