

ECE 371 Microprocessors (Fall 2002)

Instructor: Dr. Garrison Greenwood
email: greenwd@ece.pdx.edu

Office: FAB 160-07
Office hours: T/R 1100-1200

Text: *ARM System-on-chip Architecture* (2nd ed.) by Steve Turber

1. This course covers the fundamentals of microprocessor circuit design. Included is an introduction to assembly language programming. **Consequently, you must show expertise in both hardware and software design in order to get a grade of B+ or higher.**
2. I use my web page to pass information to the class. All homework assignments, project assignments, exam preparation info, etc. will be posted there. <http://www.ece.pdx.edu/~greenwd/ece371.html> is the URL. **DO NOT USE ANY OTHER URL TO GET INFORMATION ABOUT THIS COURSE!**
3. You will take 10 minute weekly quizzes (30 pts), perform a number of design/programming projects (20 pts), have weekly homework assignments (25 pts) and take a comprehensive final exam (25 pts).

No curve is used in determining grades. The grade scale is

A	↔	90-100 pts	87-89 pts	↔	A-
B+	↔	84-86 pts	80-83 pts	↔	B
B-	↔	77-79 pts	74-76 pts	↔	C+
C	↔	70-73 pts	67-69 pts	↔	C-
D+	↔	64-66 pts	60-63 pts	↔	D
D-	↔	50-59 pts	0-49 pts	↔	F

4. Notes:

- You should bring your textbook to each lecture.
- The course textbook will be supplemented with handouts and material downloaded from the internet. All reading material—regardless of source—is considered testable.
- The best way to study is to review the lecture notes you take in class as soon as possible after the class. Also, be sure to re-work any examples done in class and any additional examples given in the textbook to make sure you fully understand the fundamentals.
- My office hours are time I set aside to specifically help you with material you are having difficulty with. I would advise you to not wait too long if you're having problems—material covered in one part of the course provides a background for later material.
- You will be required to do a number of design/programming projects with a simulator or evaluation board. These will use the PCs in the Intel Microcomputer Engineering lab (in FAB). Student accounts will be required. Sign up for accounts in FAB 60-02.
- Homework and project reports have specified due dates. You will be given plenty of time to complete this work. **Consequently, late homework and late project reports will not be accepted.**
- Each Thursday you will take a 10 minute quiz. This quiz is closed-book and covers whatever material was discussed in class the previous week. You will need a calculator. Only the highest 6 quiz scores will be used to compute your course grade. Consequently, there will be no makeups given for missed quizzes.
- The final exam is scheduled for December 12th at 0800. It will be open book.
- Anyone caught copying or cheating in any way will receive a zero for that test or assignment. Character does matter.
- A grade of "I" will be issued only if you are unable to take the final exam at the scheduled time. You will have 30 calendar days from the date of the final (December 12th) to take a makeup exam, otherwise a score of 0 will be recorded and the course grade will be computed according to grade scale given above.
- I encourage you to use email to contact me concerning questions about the lecture material, reading material or homework. I monitor my email often and can usually give you a response within a reasonable amount of time.