

Tentative Syllabus Updated - January 13, 2002

Course: ICS 331 - Logic Design & Microprocessors - Spring 2001
ICS 331L - Logic Design & Microprocessors Lab

Subject:
Logic Design & Microprocessors covers:
Basic machine architecture, microprocessors, bus organization,
circuit elements, logic circuit analysis and design, microcomputer
system design, sensor and motor control.

Prerequisites:
ICS 312 Machine Language and Systems Programming

Textbook:
Malvino, Digital Computer Electronics, Glencoe/McGraw-Hill 1993 (\$100 new /
\$80 used), lab parts kit around \$325 per group of three or \$109 each student

Lecture:
Tuesday / Thursday 12:00 - 1:15 Pm
Lab: Monday, Wednesday, Friday 12:10 - 3:50 pm
Lab Location: Holmes 451

Instructor:
Curtis Ikehara
Office/Phone: POST 306B / 956-6493
Office hours: Tuesday / Thursday 1:30-2:30 pm or by appointment
Email: For questions about lectures: cikehara@hawaii.edu

Teaching Assistant:
Hongzhao Li
Office: hongzhao@hawaii.edu
Office Hours: by appointment or during lab hours
Email: For questions about assignments: hongzhao@hawaii.edu

Course Website: - (may change)
<http://www2.hawaii.edu/~cikehara/>
Various course materials will be posted on the course web site for you
to download and print at your option/convenience.

Grading (tentative):

| | Percent | Number |
|--------------------------|---------|--------|
| Quiz | 25 | 10 |
| Homework and Assignments | 25 | 14 |
| Exam 1 | 12.5 | 1 |

| | | |
|--------------|------|---|
| Exam 2 | 12.5 | 1 |
| Exam 3 | 12.5 | 1 |
| Final Exam | 12.5 | 1 |
| TOTAL | 100 | |
| Extra Credit | 5 | 4 |

A = 100 to 90 percent
 B = 89 to 80 percent
 C = 79 to 70 percent
 D = 69 to 60
 F = less than 60

- Quizzes on Tuesday at the beginning of class (about 10).
- Homework due at the beginning of Thursday class.
- Assignments in class are at the end of Thursday class.

Grading for ICS 331L:

You register for the lab separately from the course. The grade for the lab will be determined by the number of lab assignments your project team completes. Lab assignments must be demonstrated in the lab to the TA.

Turning in assignments:

What to turn in:

- Your own work. It is OK to discuss homework with others, but the work you turn in should be your own work.
- Answers should always include how the answer was derived.
- Program listing (source code) and program test runs that demonstrate your program's output.
- NOTE: **Keep backup copies of your work.** These could be important if there are questions about the completion of your work.

How to turn it in:

- **Always include the course number and assignment** information in the subject line of the email.
- Email to hongzhao@hawaii.edu. Please copy and paste the source code and output results into the BODY of the email. Only use attachments if asked to submit an executable file for a program.
- Hard copy --- may be turned in during lecture or to my mailbox in POST 316. OR

Late Work:

There is no contingent for late work.