

Tentative Syllabus Updated - January 4, 2007

Course: ICS 331 - Logic Design & Microprocessors w/Lab – Spring 2007 – POST 127

Subject:

Logic Design & Microprocessors covers:

Basic machine architecture, microprocessors, memory, circuit elements, logic circuit analysis and design, microcomputer system design, sensor and motor control.

Prerequisites:

1. ICS 312 Machine Language and Systems Programming
2. Access to PC type computer with an old style DB9 serial port, not USB.
3. Access to computer with Excel to do homework.
4. Ability to load MPLAB software on your own PC computer (about 35 Mbytes).

Textbook:

The Essentials of Computer Architecture, Linda Null & Julia Lobur, Second Edition, 2006 (about \$105.30 new, [UH Bookstore](#)),

Lab:

Holmes 451

Lab kit parts purchased by the student should cost approximately \$130 - \$150.

Lecture:

Monday / Wednesday, 1:30 – 2:45 pm, POST 127

Lab: Monday / Wednesday at 3:00-4:30 pm

Lab Location: Holmes 451

Instructor:

Curtis Ikehara

Office/Phone: POST 306B / 956-3581

Office hours: Thursday, 4:00-5pm or by appointment

Email: For questions about lectures: cikehara@hawaii.edu

Teaching Assistant:

Mark Stillwell

Office Hours: by appointment or during lab hours

Email: For questions about assignments email: ics331@hawaii.edu

Course Website:

<http://www2.hawaii.edu/~ics331/>

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
Lab	25	10
Quiz	20	10
Homework and Assignments	15	15
Exam 1	10	1
Exam 2	10	1
Exam 3	10	1
Final Exam	10	1
TOTAL	100	
Extra Credit	5	5

A = 100 to 90 percent

B = 89.99 to 80 percent

C = 79.99 to 70 percent

D = 69.99 to 60

F = less than 60

* No plus or minus grades

* Quizzes on Monday at the beginning of class.

* Homework due at the beginning of Wednesday class.

* Assignments in class are at the end of Wednesday class.

Grading for ICS 331 Lab:

The grade for the lab will be determined by the number of lab assignments you complete. Lab assignments must be demonstrated in the lab to the TA and the TA determines the requirements for passing each lab.

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 your name, the course number and assignment number** information in the subject line of the email.

* Email to ics331@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 **before** it is due at the lecture or **time stamped** in the office and put into my mailbox in POST 316.

Late Work: There is no contingent for late work.

Alternate Class Site:

All lectures will be conducted and exams will be administered even in the event we are prevented from accessing our classroom. We will meet in the courtyard in near Kuykendall.

**Academic Dishonesty:**

The each occurrence of academic dishonesty will result in a grade of 0 for the assignment or exam and a memo in your ICS department file describing the incident. This will be done for each student involved. Should there be more than one memo of this type in your file, the incident will be referred to the Dean of Students.

DISCIPLINARY SANCTIONS - <http://www.hawaii.edu/student/conduct/discipline.html>
Sanctions include: Warning, Probation, Rescission of Grades or Degree, Suspension & Expulsion.

Academic Dishonesty - <http://www.hawaii.edu/student/conduct/imper.html>

Because UHM is an academic community with high professional standards, its teaching, research, and service purposes are seriously disrupted and subverted by academic dishonesty. Such dishonesty includes cheating and plagiarism as defined below. Ignorance of these definitions will not provide an excuse for acts of academic dishonesty.

Cheating includes but is not limited to giving or receiving unauthorized assistance during an examination; obtaining unauthorized information about an examination before

it is given; submitting another's work as one's own; using prohibited sources of information during an examination; fabricating or falsifying data in experiments and other research; altering the record of any grade; altering answers after an examination has been submitted; falsifying any official University record; or misrepresenting of facts in order to obtain exemptions from course requirements.

Plagiarism includes but is not limited to submitting, in fulfillment of an academic requirement, any work that has been copied in whole or in part from another individual's work without attributing that borrowed portion to the individual; neglecting to identify as a quotation another's idea and particular phrasing that was not assimilated into the student's language and style or paraphrasing a passage so that the reader is misled as to the source; submitting the same written or oral or artistic material in more than one course without obtaining authorization from the instructors involved; or "drylabbing," which includes obtaining and using experimental data and laboratory write-ups from other sections of a course or from previous terms.

If you have any questions, please contact the instructor and obtain authorizations in writing.