

COURSE SYNOPSIS
HONOLULU COMMUNITY COLLEGE
AEC 131
CONSTRUCTION CODES

FALL 2012

INSTRUCTOR:	MICHAEL JENNINGS
CLASS LOCATION:	BUILDING 2, ROOM 616
CLASS HOURS:	2:30 - 3:20 PM MONDAY AND WEDNESDAY
OFFICE LOCATION:	BUILDING 2, ROOM 615
OFFICE HOURS:	12:00 - 1:00 PM MONDAY-THURSDAY 9:30-10:30 AM FRIDAY
OFFICE PHONE:	845-9408
E-MAIL:	michael.jennings@hawaii.edu

A. PURPOSE:

This course introduces local, regional, and specialized building codes, specifications, and office organization. It includes the study of various codes, code restrictions and standards as well as some legal documents governing construction of buildings.

B. STUDENT LEARNING OBJECTIVES:

1. Using the City and County of Honolulu Land Use Ordinance:
 - a. Select the correct zoning required for a particular land use.
 - b. Identify the correct front, rear and side yard setbacks.
 - c. Determine the maximum area or density of development on a parcel of land.
 - d. Calculate and draw the building envelope for a residential project.
 - e. Determine the minimum number of parking spaces required for a small commercial project.
 - f. Determine the minimum number of parking spaces required for a residential project.
 - g. Describe and draw the standard parking space used in the city and county.
 - h. Explain at least three reasons for the existence of the land use ordinance.
 - i. Explain the main difference between the land use ordinance and the building code.
 - j. Calculate the correct number of loading spaces required for a small commercial project.
 - k. Determine the correct landscaping and screening for a commercial parking lot.
 - l. Define what a flag lot is.
 - m. Describe the setbacks for a flag lot parcel of land.
 - n. Describe the purpose of zoning.
 - o. Explain where the building height of a commercial project can be obtained.
2. Using the Building Code:
 - a. Determine the Occupancy/Occupancies for a given building use or uses.
 - b. Determine the minimum occupancy separation for two adjacent occupancies.
 - c. Define the term Construction Type.

C. COURSE STRUCTURE: (1 hrs. lecture; 1 hrs. lab. per week)

- Unit 1. The Land Use Ordinance
- Unit 2. The Housing Code
- Unit 3. The Uniform Building Code: Occupancy Requirements
- Unit 4. The Uniform Building Code: Construction Type Requirements
- Unit 5. The Uniform Building Code: Exit Requirements

D. TEXT BOOKS:

Code Check Complete, Kardon, Hansen and Casey, Taunton Press, 2007, 156158911X
The International Building Code (Current) - Instructor Handouts
The Land Use Ordinance of the City and County of Honolulu
The Housing Code of the City and County of Honolulu

E. GRADING:

Projects and In-class assignments:	=	30% of course grade
Homework and Quizzes:	=	25% of course grade
Exams:	=	30% of course grade
Attendance AND Participation:	=	15% of course grade

Attendance will be graded as follows:

No absences:	A+
One absence:	A
Two absences:	B
Three absences:	C
Four absences:	D
Five or more absences:	F

Absences for which a medical or court appearance excuse is provided (professional letterhead is required) will be recorded but not figured in the attendance grade. Any significant tardy or early departure from class will be figured as a half absence. Since this is a vocational education course, attendance is as important in class as it is in the professional workplace. Students may take ONE free absence for personal reasons without penalty if they notify the instructor before the beginning of the class period to be missed.

F. SUPPLIES:

1 USB Flash Drive (2 GB Recommended)
8 1/2" x 11" or 11" x 14" duplicating paper for use with inkjet printer (As needed)

G. CLASSROOM POLICIES:

1. Professional courtesy, respect and language toward the instructor and your fellow students is expected in the classroom at all times. Refer to the college catalog for college policies on nondiscrimination and affirmative action.
2. Plagiarism, cheating and copying of work done by others is not tolerated. Refer to the college catalog for college policies on student conduct.
3. Project deadlines: All projects are to be turned in at the end of the class period on the due day unless otherwise specified by the instructor. Project assignments that are turned in late will be evaluated then dropped one grade for each calendar day beyond the deadline.
4. Clean up: Keep your own area and common areas neat and clean.
5. Personal audio devices: The operation of personal audio devices is not permitted in class during lecture periods. The instructor may allow them during non-lecture periods only if headphones are used and only upon approval.
6. Food: Food and beverages shall not be consumed in the classroom.
7. Classroom Time: No drawing or other work is permitted during lecture or demonstration periods. Lab time shall be spent on work assigned in this class only.
8. Cellular Phones: During class, all cellular phones should be turned off, or alternately, ringers may be set to silent or discreet settings so as to not disturb your classmates or instructor. All calls are to be taken outside of the classroom area. Students whose ringers interrupt class will receive a warning on the first occurrence and will be asked to leave on the second occurrence. The student will receive an unexcused absence on the second occurrence.

H. FINAL EXAM DATE:

The Final Exam will be Monday, December 10, 2012 at 2:30 pm.

HAVE A GREAT SEMESTER!!!