
COURSE SYLLABUS: AEC 126–Sustainable Architecture

Hawaii Community College

Spring 2013

- Course Info: Credit hours: 3 lecture
Location: Bldg. 380, Rm. 30
Hours: W, 12:00n - 2:30pm
- Instructor: Ms. G. Cho
STD Office hours: T, 2:40pm-3:40pm, and W, 2:30-3:30pm, by appointment.
Office Phone: 934-2680
Email: gaylec@hawaii.edu (best method of contact & for all project submissions)
- Prerequisites: Eng 22-60, or ESL 15
AEC 80 Basic Drafting
AEC 115 Intro to Architecture
AEC 110B Basic AutoCAD
- Co-Requisites: AEC 120 Intro to Construction Drawings
AEC 123 Residential Planning & Design.
- References: a) National Green Building Standards
b) Leed for Homes
c) Handouts
d) Internet research
- Course Description: This course includes the study of the natural environmental issues, the National Green Building Standard developed by the National Association of Home Builders (NAHB), and how it applies to the development of residential projects. Topics also include introduction to other nationally recognized organizations such as the US Green Building Council and their LEED building certification process; green building materials and systems. Course includes using technology in research, written assignments, drawing projects (+manual), and assignment presentations.
- Objectives: Upon completion of this course, the student should be able to:
a) identify declining species, habitats and the natural environment
b) gain an awareness of how the construction organizations are addressing the issues of declining natural resources.
c) understand rating system of NAHB's National Green Building Standards
d) identify NAHB and LEED project certifications and professional credentials
e) recognize sustainable green elements in residential design
f) assess energy and sustainable features of a residential project based on a nationally recognized green building rating system
g) contribute to the creation of a healthy community
h) create sustainability in design as it relates to the Model Home Project, etc.

Exams: Exams will be based on all lectures, assignments and class activities.

Assignments: a) Class assignments will be issued throughout the semester. These projects will supplement and reinforce the lectures and study topics.
b) Activities: Students are to parallel the lecture sequence with required and recommended readings, independent field trips, etc. Class discussions, presentations and participation are also integral parts of this course.

Course Related Expenses: Some of the assignments may require the use of a camera and going off campus. Such activities will require students' own resources for acquiring graphic supplies such as paper, mat boards, glue, tape, etc. and other materials of choice in the preparation of project presentations and assignments. Reusing and recycling of materials are encouraged. Also needed is external electronic storage drives (jump/flash drives) for PowerPoint presentations, internet research, assignments, etc.

Grading: a) The final course grade will be determined by the below weighted values:

1.	Assignments	40%
2.	Exams.....	30%
3.	Attendance.....	15%
4.	<u>Ethics,Conduct,Employment Readiness ...</u>	<u>15%</u>
	overall course grade:	100%

Student Learning Outcomes: See website: www.hawaii.hawaii.edu/aec

Student Conduct & Policies: Standard AEC Classroom Policies and HawCC Student Conduct Code shall apply to each student throughout enrollment in the AEC program. see college website: www.hawaii.hawaii.edu

College Academics, Financial Assistance & Procedures: Students are responsible for continual status updates in college areas such as AEC program curriculum requirements, graduation requirements, Star for Students, Financial Aid, etc., as policies may change frequently.

Advising, Support Services, & HA`AWI KOKUA Assistance (see HawCC website):
www.hawaii.hawaii.edu
Students may also contact:
Karen Crowell, Counselor: kcrowell@hawaii.edu
or call: 934-2720 to make an appointment
Office location: Bldg. 379, Rm. 5A