



Course Syllabus

Course Number: EID 384

Course Title: Sustainability in Design

Term: Fall 2024

Course Credits: 3

Prerequisites: Junior standing or ENV 100 or consent of instructor, EN 102, COM 101

Class Meeting Days: TTH

Class Meeting Hours: 1:30 – 2:50 pm

Class Location: Eiben 104

Instructor Name: Junghwa Suh, DArch

Email: junghwa.suh@chaminade.edu

Phone: 808.739.8590

Office Location: Eiben 212

Office Hours: MW 12:30 - 1:20 pm

Course Description

This course examines principles of sustainable design from a systemic perspective, focusing on environmental issues and how they relate to economics, social equity, and human health. Topics in the course include: cradle-to-cradle principles, biomimetic design, passive building design, renewable energy, water and waste, sustainable materials, and indoor environmental quality. Course culminates with a review of applications in the building industry.

Course Content

Lectures & Demonstrations | Exercises | Assignments | Project

Class Format

At the beginning of each week, the class will begin with a lecture introducing major topics in sustainability that is impacting our everyday lives and the future of our place. Exercises and assignments will require critical thinking skill to analyze and examine design strategies that are in situ of each learning content.

There will be 2 major projects that require the integrative analysis and synthesis of learning contents into the given climatic issues/ challenges. The projects are composed of questionnaire, research, writing, design, and presentation. You will have access to all the lectures (course-specific Google folder) on Canvas. We will always start our class by checking the course map to understand where we are in the journey of this course.

E+ID design studios (Eiben 104 and 108) are equipped with the drafting table and desktop computers. However, you may work on your own laptop and other tools that are necessary for learning.

Course Learning Outcomes

By the end of this course, students should be able to:

- Identify the historical, sociopolitical, and economic factors that have contributed to the global environmental crisis we find ourselves at present.
[CIDA 4, 10] [PO3] – EMERGING
- Describe the concepts, principles, and theories of sustainability, and how they pertain to human welfare and the building industry.
[CIDA 7] [PO3,4] - EMERGING
- Recognize how the fields of environmental and interior design have been influenced by, and in turn can help advance, the goals of the sustainability movement. [CIDA 6, 13, 14] [PO1] – DEVELOPING
- Demonstrate an understanding of sustainability learning contents through comprehensive

projects (CIDA 6,9)

EID Program Outcomes

- 1) Professionalism – understand, apply and participate in ethical design practices on a personal, project, peer and industry-wide level. (CIDA 5,6,9)
- 2) Process – ability to identify problems/challenges and demonstrate an understanding of the complete design process from inception to installation, execute documentation supporting design decisions and effect comprehensive, creative, focused and functional design solutions. (CIDA 4, 6, 9, 10, 11, 12, 13, 14.16)
- 3) Principles & Priorities – integration of pedagogy, research, historic contexts, theory, and interdisciplinary collaboration to effectively and creatively analyze, evaluate and execute best design practices resulting in functional and aesthetically inspiring design. (CIDA 8, 9, 10, 12, 13, 14)
- 4) Public & Environmental Protection – demonstrate an understanding of the concepts, resources and implications of design decisions relative to the human interaction, technological impact and ecological balance of the built environment. (CIDA 4, 7, 12, 13, 14)
- 5) Presentation – demonstrate ability to communicate design concepts and problem solving justifications through written, oral and a variety of visual media. (CIDA 6,9)

Assessment

Attendance/Participation	10 %
Exercises & Assignments	30 %
Projects (Mid & Final)	60 %
Total	100 %

Grading Scale: A: 90%- 100%; B: 80%- 89%; C: 70%- 79%; D: 60%- 69%; F: below 59%

There will be an instruction and rubric shared with you on all exercises, assignments, and projects. Individual and group critique sessions will be integrated throughout the course based on the rubrics.

Evaluation Criteria

- understanding of the course materials
- thoroughness and consistent progression in exercises & assignments
- technical and visual proficiency
- professional demeanor
- timely submission of required tasks

References

- *Heating, Cooling, Lighting: Sustainable Design Methods for Architects (Fourth Edition)*, Norbert Lechner (PDF on Google)
- *Building Systems for Interior Designers (Second Edition)*, Corky Binggeli [PDF format on

Canvas]

Technical Assistance for Canvas Users

Search for help on specific topics at help.instructure.com. [Chat live with Canvas Support 24/7/365](#). Watch this [video to get you started](#) with online guides and tutorials. Contact the Chaminade IT Helpdesk for technical issues: helpdesk@chaminade.edu, or call (808) 735-4855

Course Credit Hours

This is a three credit hour course requiring 135 clock hours of student engagement, per the official CUH Credit Hour Policy. Students enrolled in this course are expected:

- In-Class time: 43 hours
- Outside Learning time: 92 hours

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- Exercises & Assignments: 48 hrs
 - Project 1: 39 hrs
 - Project 2: 45 hrs
 - Reflection Paper: 3 hrs

Connection to the Characteristics of a [Marianist Education](#)

The following are characteristics of the approach to education engaged at Marianist schools, including Chaminade University:

- Educate for formation in faith:
 - Trust in yourself and your instructor to do a good job to the best ability.
- Provide an integral quality education
 - Interactive learning between students and an instructor and students and students is a key for the success of digesting the information.
 - Proactive attitude towards learning is important.
- Educate in family spirit
 - Success can be achieved by harnessing everyone's growth together
- Educate for service, justice and peace
 - Be mindful of how your design may impact users, occupants and the environment
- Educate for adaptation and change
 - As people grow and change, space needs to respond to the changes of people, environment and society.

Native Hawaiian Values

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the 'Olelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua (‘Ōlelo No‘eau 364) May I live by God.
2. Provide an Integral, Quality Education (Na‘auao) Lawe i ka ma‘alea a kū‘ono‘ono (‘Ōlelo No‘eau 1957) Acquire skill and make it deep.
3. Educate in Family Spirit (‘Ohana) ‘Ike aku, ‘ike mai, kōkua aku kōkua mai; pela iho la ka nohana ‘ohana (‘Ōlelo No‘eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship.
4. Educate for Service, Justice and Peace (Aloha) Ka lama kū o ka no‘eau (‘Ōlelo No‘eau 1430) Education is the standing torch of wisdom.
5. Educate for Adaptation and Change (Aina) ‘A‘ohe pau ka ‘ike i ka hālau ho‘okahi (‘Ōlelo No‘eau 203) All knowledge is not taught in the same school



Code of Conduct

Academic Honesty

Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism, in addition to more obvious dishonesty.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Dean of the Academic Division. Punishment for academic dishonesty will be determined by the instructor and the Dean of Academic Division and may include an “F” grade for the work in question, an “F” grade for the course, suspension, or dismissal from the University.

For the most up to date information, please refer to the [Academic Honesty Policy](#) on the Chaminade University Catalog website.

Student with Disabilities Statement

Chaminade University of Honolulu offers accommodations for all actively enrolled students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act (2008).

Students are responsible for contacting Kokua Ike: Center for Student Learning to schedule an appointment. Verification of their disability will be requested through appropriate documentation and once received it will take up to approximately 2–3 weeks to review them. Appropriate paperwork will be completed by the student before notification will be sent out to their instructors. Accommodation paperwork will not be automatically sent out to instructors each semester, as the student is responsible to notify Kokua Ike via email at ada@chaminade.edu each semester if changes or notifications are needed.

Kōkua 'Ike: Tutoring & Learning Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua 'Ike: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check [Kōkua 'Ike's](#) website for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via TutorMe. Tutor Me can be accessed 24/7 from your Canvas account. Simply click on Account > TutorMe. For more information, please contact Kōkua 'Ike at tutoring@chaminade.edu or 808-739-8305.

Title IX and Nondiscrimination Statement

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator.

Nondiscrimination Policy & Notice of Nondiscrimination

Chaminade University of Honolulu does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including in admission and employment. Inquiries about Title IX may be referred to the University's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both and contact information may be found at the [Chaminade University Title IX Office Contact Information and Confidential Resources website](#). On-campus Confidential Resources may also be found here at [CAMPUS CONFIDENTIAL RESOURCES](#).

The University's Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at: <https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/>.

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the [Campus Incident Report form](#). Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates. The NOTICE of NONDISCRIMINATION can be found here: [Notice of Nondiscrimination](#).

Attendance Policy

Students are expected to attend all courses for which they are registered. Students should notify their instructors when illness or other extenuating circumstances prevent them from attending class and make arrangements to complete missed assignments. Notification may be done by emailing the instructor's Chaminade email address or calling the instructor's campus extension. It is the instructor's prerogative to modify deadlines of course requirements accordingly. Any student who stops attending a course without officially withdrawing may receive a failing grade.

- Unexcused absences equivalent to more than a week of classes may lead to a grade reduction for the course.
- Any unexcused absence of two consecutive weeks or more may result in being withdrawn from the course by the instructor, although the instructor is not required to withdraw students in that scenario. Repeated absences put students at risk of failing grades.

CUH Alert Emergency Notification

To get the latest emergency communication from Chaminade University, students' cell numbers will be connected to Chaminade's emergency notification text system. When you log in to the Chaminade portal, you will be asked to provide some emergency contact information. If you provide a cellphone number, you will receive a text from our emergency notification system asking you to confirm your number. You must respond to that message to complete your registration and get emergency notifications on your phone.

Assessment for Student Work

With the goal of continuing to improve the quality of educational services offered to students, Chaminade University conducts assessments of student achievement of course, program, and institutional learning outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.

Syllabus Changes

This syllabus is a guide to the class and will be adhered to as much as possible; however, I reserve the right to make changes as I see fit, so long as they do not create an additional undue burden on the student.

PROFESSIONAL CODE OF CONDUCT

CLASSROOM BEHAVIOR

- Wearing a facemask/covering is voluntary during the class session. If you don't feel well or you are ill, please stay at home and get well first.
- Cell phone use in class (calls, texting, emailing) is prohibited; cell phone ringers must be turned off at all times except in case of emergency. If making a call is absolutely necessary, then please step outside the classroom to do so. Upon the entry to the class, please put your cell phone in your bag.
- When class is in session, you are expected to show courtesy to your instructor as well as to other students. If your behavior is deemed disruptive, you will be asked to leave the class and consequently receive an unexcused absence for that day.
- All assigned work should be completed by the due date and time which it is to be presented or submitted. Working on homework, presentations, etc. while an instructor or guest speaker is lecturing, or while students are presenting in class, is disrespectful and will NOT be tolerated.

CLASS ATTENDANCE & ASSIGNMENTS

- Three unexcused absences during the course of the semester will result in one letter grade demotion for the course (i.e. if your grade is "B," it can be demoted to "C"). Similarly, six unexcused tardiness will result in one letter grade demotion for the course.
- Failure to attend presentations or exams, without informing the instructor in advance, will result in an F for the exam/project; failure to attend a final presentation, final exam or final project submission without informing the instructor in advance will result in an F for the course.
- Students should always inform the instructor in 2 days advance (in writing or by email) of any anticipated absences, tardiness, or irregular/unanticipated scheduling conflicts (e.g., jury duty, team sport commitment, etc.) Do not schedule medical or personal appointments during scheduled class time.
- Assignments from a missed class must be made up by the next class meeting unless an extension has been arranged with the instructor. Do not expect an instructor to repeat a lecture for you; students must arrange with a fellow student to pick up class materials, lecture

notes, homework assignments, exercises, etc.

- Assignments handed in late will not be accepted unless arranged in advance with the instructor; 5 points will be deducted from the total number of points for each day the assignment is late beyond the prescribed due date.
- If you have any questions or concerns, please contact me via email. I will respond to your email within a day or two. You will receive feedback on your assignments, projects, and exams within one week of submission. I will not be checking the work emails during the weekends starting from 5 pm on Fridays, so please do not expect any email responses during the weekends.

USE OF FACILITIES

- Only beverages in sealed containers are allowed in the assigned studios/classrooms; in rooms with computers, beverages must be kept on the floor, away from the computer equipment and outlets. Hydration is very important during class. You may step out of the classroom if you need to drink water from your container.
- NO Meals (snacks, fruits, any food) allowed in the studio/classroom.
- Clean up your work area before & after yourselves in digital studios, classrooms, the materials library, the kitchen area, the resource center, and the print room.
- Any damage to workstations or equipment will be charged to the student; if the person cannot be readily determined, the class(es) using the studio/classroom will bear the expense of the repairs collectively.

PERSONAL STANDARDS

- Students should dress in a professional manner when attending any public functions on behalf of the school, on field trips/site visits, or when guests visit the class. You are representing the EID/ your discipline Program, Chaminade University, and most importantly, yourself to your future constituents: employers, colleagues, contractors, clients, etc.
- Students must be prepared with all materials required for the class; the inability to work during the class will result in an unexcused absence for the day.
- Cheating on any exam, exercises, or assignments or copying someone's work will result in automatic failure of the course.

I have read, understand, and agree to the terms of the syllabus, course map, and Code of Conduct.

Student Signature: _____

Date: _____