

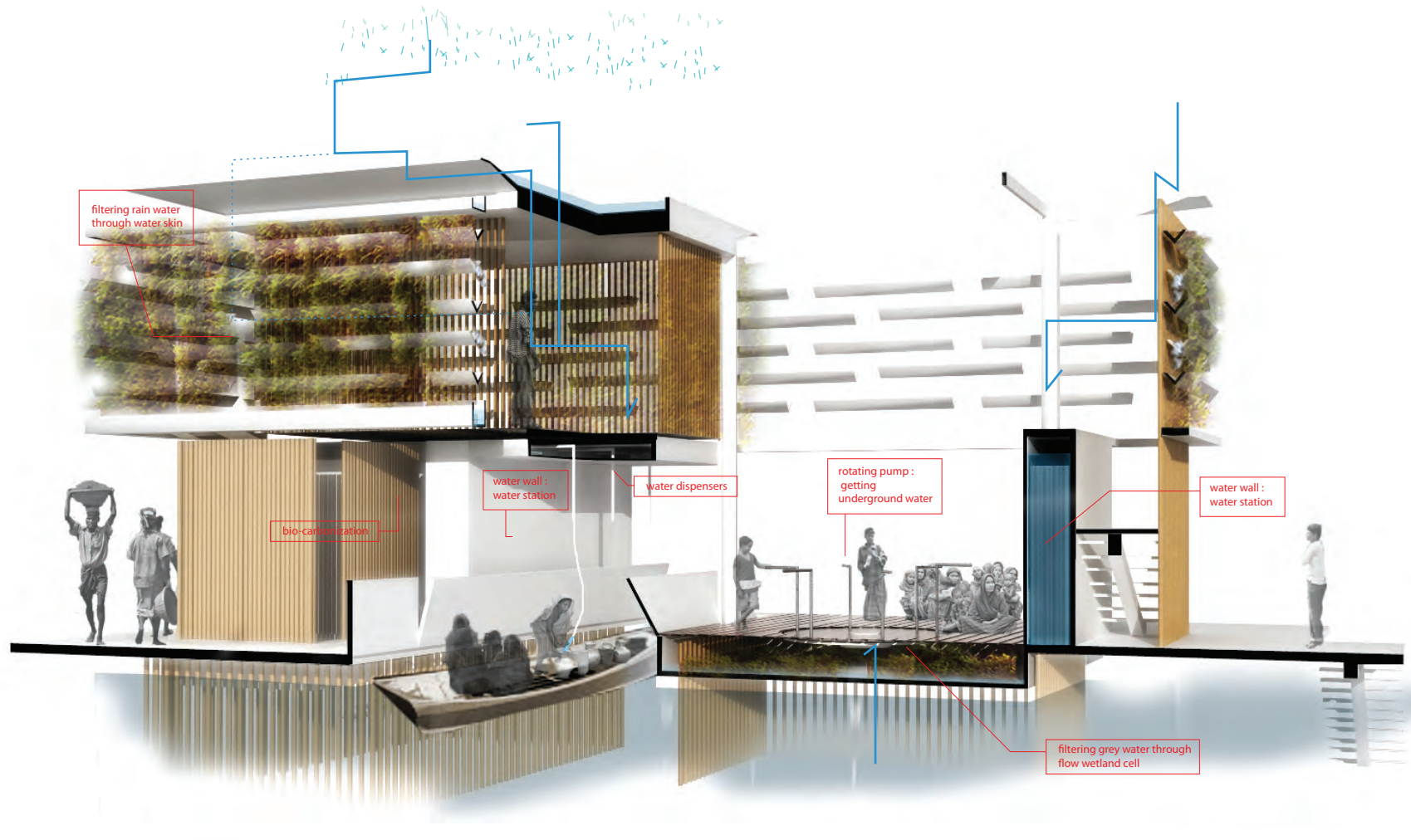
CHAMINADE UNIVERSITY of HONOLULU
ENVIRONMENTAL + INTERIOR DESIGN
FALL 2015

EID 220 Building Systems (3 cr)

Class hours: Tu, Thu 2:30 pm – 3:50 pm

Class location: Eiben 102

SYLLABUS EID 220 BUILDING SYSTEMS



Instructor:

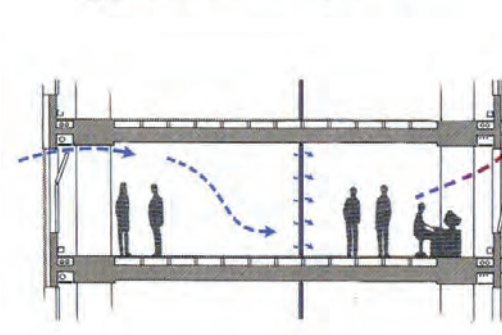
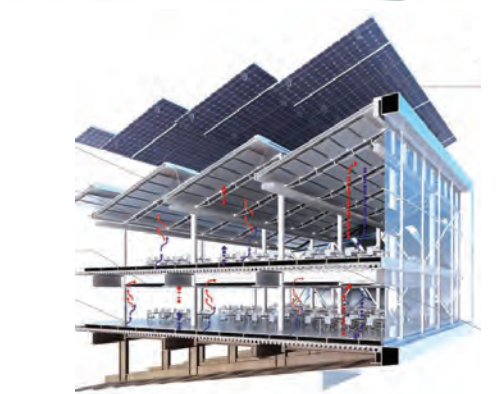
Junghwa K. Suh, D.Arch, LEED GA

Office hours: MWF 12:30 – 1:30

Office: Eiben 208

Office phone: 739-8590

Email: Junghwa.suh@chaminade.edu



COURSE DESCRIPTION

This course focuses on understanding the different systems that a building is comprised of, how they relate to and affect one another, and how to design within the context of those systems. Students will be introduced to building infrastructure and performance design mandates, as well as relevant building codes, with emphasis on coordination and integration of the various systems with the building interior. Content includes building codes and life safety; site analysis; fire safety; structural/mechanical/electrical/plumbing systems; wall, floor, ceiling, and stair assemblies; and sustainable building practices.

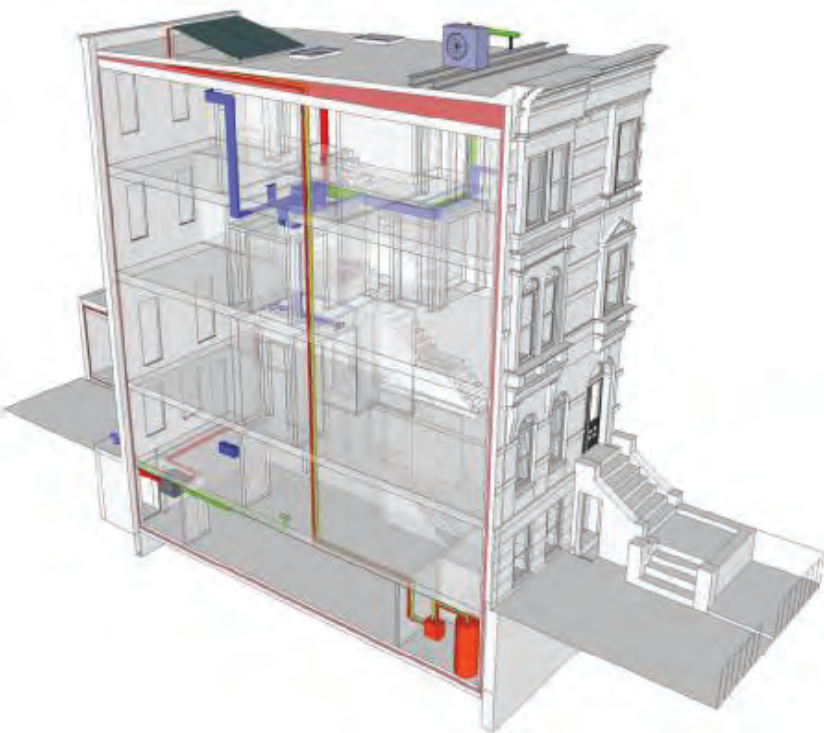
Only Offered in Fall semester.

Prerequisites: EID 200 and EID 202.

CLASS FORMAT

Over the duration of the semester, we will examine various aspects of building systems and how the interior space operates based on them. The course is composed of lectures and exercises on each subject of building systems. It is important for you to understand complexity and integrity of building systems for designing safe and functional interior environment. This also will be a foundation course for you to build upon when you start designing details of interior space in upper design studio courses. In order to create and develop successful interior design, you should pay attention to details, coordination and integration of various systems with the building interior.

Total four exams will be given to evaluate your understanding of course materials throughout the semester. At the end of the semester, there will be the 200-level comprehensive exam which covers all the materials that you have learned thus far in the program. This course will help to prepare you for the exam. This also determines your readiness for the upper division EID courses.



LEARNING OUTCOMES

- Describe terminologies and technical information of building systems
- Illustrate the effective ways of integrating building systems
- Identify the relationship of various building systems
- Apply appropriate concepts and codes of building systems in various design scenarios

GRADING

Evaluation criteria are based on the following:

- Understanding of terminologies and technical information
- Analyzing integration of building systems in various situations
- Illustrate coordination of different building systems
- Contribution of ideas and engagement in class
- Diligent
- Willingness to experiment and to challenge yourself
- Rigor
- Professional demeanor

Your final grade will be weighted as follows:

Design exercises	40%	] = 100%
Exams (4)	60%	

This is an intensive and demanding course, thus regular attendance is crucial. Should you have to miss or arrive late for a class, please inform me in advance when possible and make arrangements to make up any missed work, and obtain materials and information from one of your classmates. Do not expect your instructors to make special concessions or accommodations for your absence. Any unexcused submissions will be marked down by 0.1 point from your overall grade (e.g., a 3.0 overall GPA will be lowered to 2.9).

REQUIRED TEXTS

BSID: *Building Systems for Interior Designers (Second Edition)*, Corky Binggeli
 IGS: *Interior Graphic Standards (Student Edition)*, M. McGowan & K. Kruse

REFERENCE TEXTS

Materiality and Interior Construction, Nancy Gesimondo

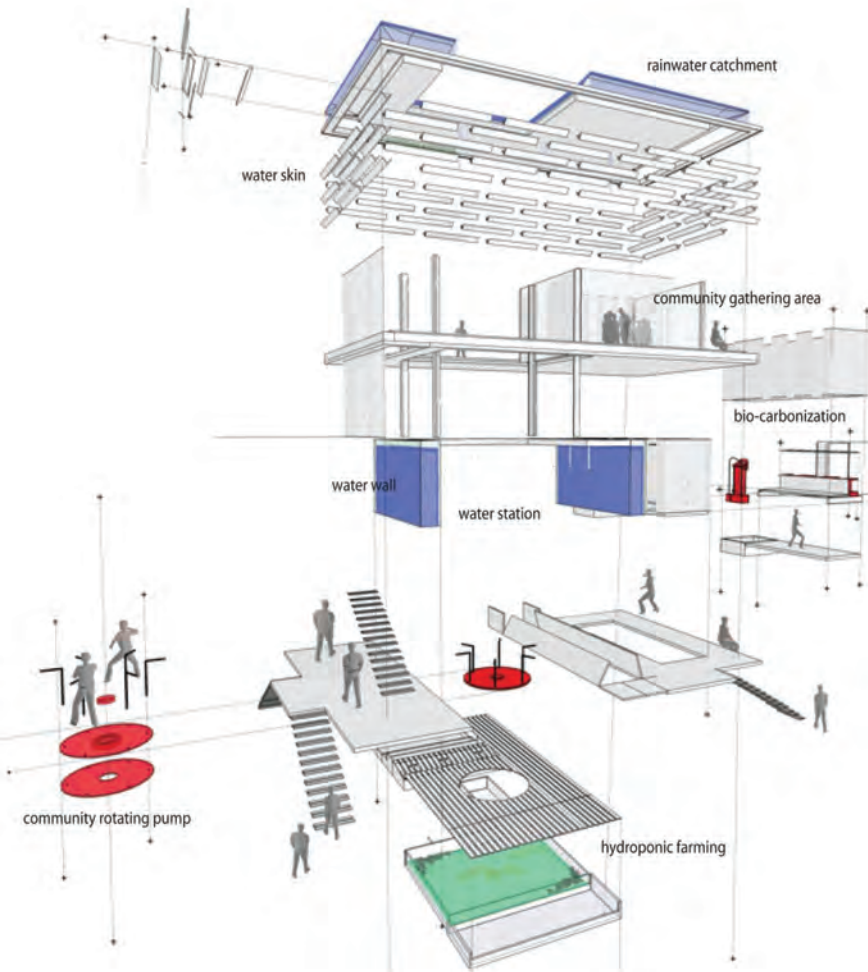
Materials and Components of Interior Architecture, J. Rosemary Riggs

EID PROGRAM OUTCOMES

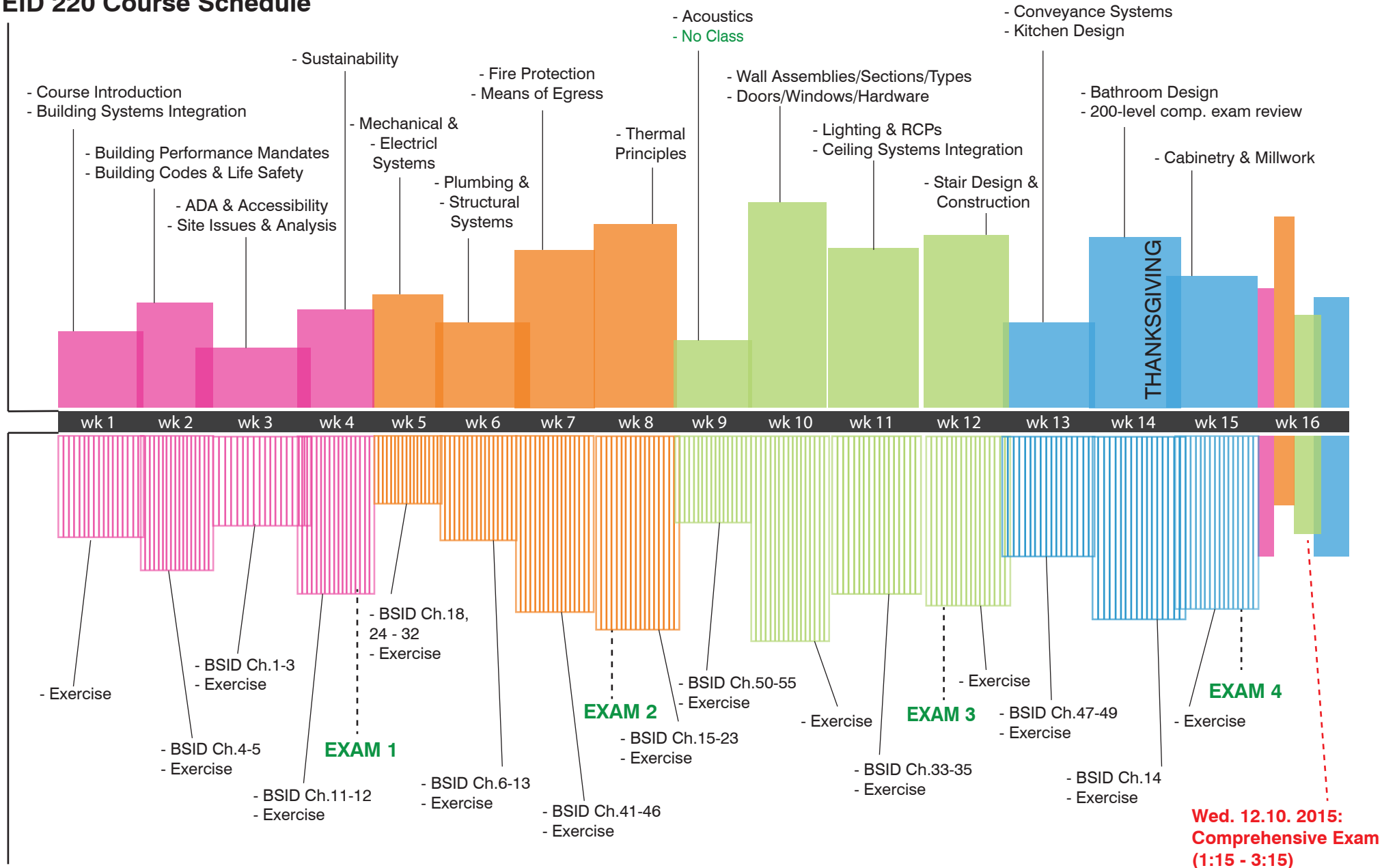
- 1) **Professionalism** – understand, apply and participate in ethical design practices on a personal, project, peer and industry-wide level. (CIDA 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14)
- 2) **Process** – ability to identify problems/challenges and demonstrate an understanding of the complete design process from conception to installation, execute documentation supporting design decisions and effect comprehensive, creative, and functional design solutions. (CIDA 4, 6, 9, 10, 11, 12, 13, 14)
- 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 2, 3, 4, 5, 6, 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 2, 3, 4, 7, 8, 10, 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 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14)

See Attachment:

- **Academic Honesty**
- **ADA Accommodation**
- **Title IX Compliance**
- **CUH EID Professional Code of Conduct**



EID 220 Course Schedule



EID 220 Designer's Task

n.b. Course content and scheduling are subject to change at the instructor's discretion in the interest of sound pedagogy.

Academic Honesty

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of dishonesty to an instructor or to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism. 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 Humanities and Fine Arts. Consequences for academic dishonesty may range from an “F” grade for the work in question to an “F” grade for the course to suspension or dismissal from the University.

Violations of Academic Integrity: Violations of the principle include, but are not limited to:

- Cheating: Intentionally using or attempting to use unauthorized materials, information, notes, study aids, or other devices in any academic exercise.
- Fabrication and Falsification: Intentional and unauthorized alteration or invention of any information or citation in an academic exercise. Falsification is a matter of inventing or counterfeiting information for use in any academic exercise.
- Multiple Submissions: The submission of substantial portions of the same academic work for credit (including oral reports) more than once without authorization.
- Plagiarism: Intentionally or knowingly presenting the work of another as one’s own (i.e., without proper acknowledgment of the source).
- Abuse of Academic Materials: Intentionally or knowingly destroying, stealing, or making inaccessible library or other academic resource materials.
- Complicity in Academic Dishonesty: Intentionally or knowingly helping or attempting to help another to commit an act of academic dishonesty.

Plagiarism includes, but is not limited to:

- Copying or borrowing liberally from someone else’s work without his/her knowledge or permission; or with his/her knowledge or permission and turning it in as your own work.
- Copying of someone else’s exam or paper.
- Allowing someone to turn in your work as his or her own.
- Not providing adequate references for cited work.
- Copying and pasting large quotes or passages without properly citing them.

Disability Access

The University is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students who need accommodations must be registered with Student Disability Services. Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the Counseling Center by the end of week three of the class, in order for the instructor to plan accordingly. Failure to provide

written documentation will prevent your instructor from making the necessary accommodations. Please refer any questions to the Dean of Students. All accommodations **MUST** be approved through the Director of Counseling Services, Dr. June Yasuhara. To make an appointment, please email at jyasuhar@chaminade.edu or call (808) 735-4845.

Title IX Compliance (A Healthy Student Environment)

Chaminade University of Honolulu recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. Should you want to speak to a confidential source you may contact the following:

- Chaminade Counseling Center | [808-735-4845](tel:8087354845)

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
- Provide an integral quality education
- Educate in family spirit
- Educate for service, justice and peace
- Educate for adaptation and change

Chaminade University of Honolulu – Environmental + Interior Design Program
PROFESSIONAL CODE OF CONDUCT

Students of Chaminade University's Environmental + Interior Design Program (CUH-EID) are expected to maintain professional standards of behavior during their tenure here. As guidelines, CUH-EID has adopted the following protocols:

CLASSROOM BEHAVIOR

- Cell phone use in class (calls, texting, emailing) is prohibited; cell phones 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.
- 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 beginning of the class period for 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.

USE OF FACILITIES

- Only beverages in sealed containers are allowed in the EID assigned studios/classrooms; in rooms with computers, beverages must be kept on the floor, away from the computer equipment and outlets.
- Meals should be taken in the EID Student Resource Center, not in the studio/classroom; dry snacks however, will be permitted as long as workstations are kept clean and orderly.
- Clean up after yourselves in CAD studios, classrooms, the materials library, the kitchen area, the resource center, and the print room.
- Any damage to work stations 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 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 class; inability to work during the class will result in an unexcused absence for the day.
- Cheating on any exam or major assignment will result in automatic failure of the course.

I, _____ have read, understand, and agree to the terms of CUH-EID Professional Code of Conduct.

Student Signature: _____ Date: _____