

EID 216 - Design Principles: Methodologies for Innovative Problem-Solving

Syllabus – Spring 2022

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Venue: Online (until January 31st), and then Eiben 112
Time: Tuesday and Thursday from 2.30pm to 3.50pm

Catalog Description

This introductory course examines principles of design as a problem-solving medium, employing design thinking methodologies—the process by which innovative solutions can be optimized—to address various challenges we face in the world today.

As global scale problems grow increasingly complex, they cannot be solved within singular or isolated fields of study. They call for a cooperative, multidisciplinary approach; thus collaboration between students from diverse disciplines is integral to achieving the objectives of the course. To promote innovation, students will be encouraged to think outside the box, challenge conventional wisdom, and be bold in their actions.

Course Emphasis

This course explores a range of different ways to generate a design idea. The various assignments address topics specifically related to typology, perception, abstraction, philosophy, and psychology. It will also consider how storytelling, allegory, and game playing are used to create designs that contain what the architect Luis Barragán called “the elements of magic, serenity, sorcery and mystery.”

Prerequisites

T.B.C.

Course Structure and Assignments

The course is divided into six sections, each of which addresses a particular aspect of conceptual thinking. These are explored through set reading exercises, precedent research assignments, and (in most cases) a design assignment. The final assignment gives you an opportunity to apply all the creative techniques previously introduced, and start developing your own particular approach to spatial design.

Additionally, you will be asked to write a reflective essay that considers the design techniques introduced during the course, and proposes which might best suit your evolving approach to design.

Grade Weighting

- Research Assignments (2 total) 10% (5% each)
- Assignment 1 10%
- Assignments 2 and 3 20% (10% each)
- Assignment 4 15%
- Assignment 5 35%
- Reflective Essay 10%

Grading System

The research assignments and design assignment 1 are graded as pass/fail., Design assignments 2 through 5 and the reflective essay are letter graded. Those that satisfy the basic submission requirements will be graded B or B+. Those that exceed the submission requirements will be graded A- or A. Those that fall below the requirements will be graded B- or less.

Grading Procedure

Oral feedback for major assignments, a mid-term grade on completion of Section 4, and a final grade at the end of the semester.

References

Material will be provided as the semester progresses.

Student Learning Outcomes

- Recognize and apply the various different conceptual design strategies introduced in the class lectures. (*CIDA 3, 4*)
- Identify and evaluate the interplay of conceptual ideas that direct the design of existing buildings. (*CIDA 4, 9*)
- Design within a collaborative environment. (*CIDA 5*)
- Begin to construct a personal design language and philosophy.
- Design using models, hand drafting and other depictive techniques. (*CIDA 9*)
- Develop a range of oral and written presentational skills. (*CIDA 6*)

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

Semester Timetable

(Online classes are in [blue](#). Times and events are subject to change)

Week 1	01/11	Course Introduction Lecture 1	Begin Assignment 1
Week 2	01/18	Lecture 2 Reading 1 review/Research 1a	
Week 3	01/25	Assignment 1 Review Lecture 3 (part 1)	Begin Assignment 2
Week 4	02/01	Reading 2 review/Research 2a Lecture 3 (part 2)	
Week 5	02/08	Assignment 2 Review Reading 3 review/Research 3a	Begin Assignment 3
Week 6	02/15	Lecture 4 Reading 4 review/Research 1b	
Week 7	02/22	Assignment 3 Review Lecture 5	Begin Assignment 4
Week 8	02/29	Reading 5 review/Research 2b Tutorials	
Week 9	03/08	Lecture 6 Reading 6 review/Research 3b	
Week 10	03/15	Tutorials Assignment 4 Review	Begin Assignment 5
Week 11	03/22	No Class No Class	
Week 12	03/29	Tutorials Tutorials	
Week 13	04/05	Tutorials Tutorials	
Week 14	04/12	Assignment 5 Interim Review Tutorials	
Week 15	04/19	Tutorials Tutorials	(Reflective Essay Submission)
Week 16	04/26	Assignment 5 Presentations (1) Assignment 5 Presentations (2)	

Academic Honesty

Students are responsible for honoring 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 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. 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 Chaminade Counseling Center: 808-735-4845.