

EID 355 COURSE SYLLABUS (IS)

Class hours: MF 3:00-6:00
Office hours: By appointment
Class location: Eiben 101

Office: Eiben 211
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Students: Aurelia Vining & Jacqueline Harbin

COURSE OBJECTIVES

Purpose of the course:

- To explore technical, behavioral, and experiential characteristics of different materials
- To develop craftsmanship skills through fabrication
- To understand how two-dimensional representation (drawings) is translated into three-dimensional physical/spatial expression (object)

Students will be tasked to create pieces that:

- Reflect creative complexity in design (conceptualization)
- Reflect technical complexity in craftsmanship (execution)
- Reveal understanding of the properties and behavior of selected materials
- Consider the human interface in the context of functionality (how it is used) and experience (how it is perceived)

Fabrication work will be done in the Eiben ceramics art studio (E101) with tools provided by the instructor and at the Cabinets Hawaii workshop under the guidance of the workshop supervisor.

PROJECT #1: **Light Fixture** (duration: 5 weeks)

- Decide on the type of fixture (pendant, sconce, standing lamp, etc.)
- Choose the type of lighting (LED, halogen, fluorescent, etc.)
- Purchase the wiring kit (cord, switch, socket, bulb, transformer)

Preliminary considerations: What is the objective of the light experience besides functional illumination? What mood is it intended to create? What space will it be used for? Think about the sculptural and aesthetic aspects of the fixture itself (both on and off), as well as the lighting effects it produces.

Process Requirements:

- Research precedents and applicable technical challenges of the piece you are going to design
- Write summary of what was learned and how it will inform your project
- Conceptual sketching for design ideation
- Technical shop drawings for fabrication

- Experiment with qualities of light and how they are mediated through different materials
- Construct mock-up to test and explore
- Design should take into consideration the technical and physical constraints, including how will it be fastened to the socket, how it will be supported (ceiling, wall, floor), how the cord and switch will be integrated into the fixture.

PROJECT #2: Custom Furniture Piece (duration: 9 weeks)

To be coordinated with your EID 470 Residential Design project; select furniture type. Must have moveable element(s); the challenge to select/design the appropriate hardware for the specified mobility.

What is the objective of the furniture piece? Think about the sculptural and aesthetic aspects of the furniture piece in addition to functionality.

Primary material should be wood but must integrate at least one other contrasting material; this encourages the exploration of complementarity of materials in terms of fabrication and functionality.

Consider both how the piece will relate to other elements in the proposed floor plan and how the space contextualizes the piece.

Process Requirements:

- Research precedents and applicable technical challenges of the piece you are going to design
- Write summary of what was learned and how it will inform your project
- Conceptual sketching for design ideation
- Technical shop drawings for fabrication

- Experiment with moveable parts and also how the different ways the material behaves (cut, nailed, drilled, carved, sanded, burnished, oiled, fused, glued, welded, etc.)
- Construct mock-ups to test and explore
- Design should take into consideration the technical (construction), physical (materiality), ergonomic (user) requirements, with special attention paid to the human operational interface.

GRADING & EVALUATION CRITERIA

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| A = (93-100) | Outstanding achievement with an unusual strength of creativity and originality in concept and design, and performed with a supreme control of technique. Highest level of understanding on all the subjects of the course. Perfect or near perfect attendance and participation throughout the semester. |
| B = (85-92) | Superior work with a high degree of creativity, originality and technicality. Very good understanding on the subjects of the course. All the requirements for the course are completed in above average excellence. Near perfect attendance and participation throughout the semester. |
| C = (77-84) | Average work with a touch of originality and an adequate level of workmanship. Acceptable level of understanding on the subjects of the course. All the requirements for the course are completed adequately. Very good attendance with make-up work covering all the missed class hours. |
| D = (70-76) | Below average work with a lack of originality and a low level of technical skill. Bottom basic understanding of the subjects of the course. Poor attendance, poor interest in the subject and/or poor completion of requirements. |
| F = (below 70) | Failed to grasp even the minimum level of understanding for the course. Excessive absence and/or lack of interest in the course deemed unacceptable. |

COURSE LEARNING OUTCOMES

Students are expected to:

- Understand the technical, behavioral, and experiential properties of different materials
- Demonstrate creative complexity in design (conceptualization)
- Develop technical skills (craftsmanship) through fabrication
- Translate two-dimensional representation (design drawings) into three-dimensional physical/spatial expression (built object)
- Produce an object that is informed by the human interface in the context of functionality (how it is used) and experience (how it is perceived)

E+ID PROGRAM LEARNING OUTCOMES

Students are expected to:

- Understand, and operate within, the dictates and standards of the design profession/industry
(PLO #1: **Professionalism**) - CIDA 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14
- Explore and apply the design process from project inception to realization
(PLO #2: **Process**) - CIDA 4, 6, 9, 10, 11, 12, 13, 14
- Integrate principles of design in order to synthesize and optimize design solutions
(PLO #3: **Principles**) - CIDA 2, 3, 4, 5, 6, 8, 9, 10, 12, 13, 14
- Safeguard the welfare of occupants and the public at large, and promote the ecological balance between the natural and built environments
(PLO #4: **Protection**) - CIDA 2, 3, 4, 7, 8, 10, 12, 13, 14
- Communicate design concepts, design solutions, and problem-solving rationales through written, oral, and visual media
(PLO #5: **Presentation**) - CIDA 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14
- Evaluate, articulate, and actualize the social, environmental and ethical impact of design on the health, safety and welfare of the public to further service, justice and peace
(PLO #6: **Marianist Values**)

Marianist Values	Native Hawaiian Values
Education for formation in faith	(Mana) E ola au i ke akua ('Ōlelo No'eau 364) - May I live by God
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
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
Educate for service, justice & peace	(Aloha) Ka lama kū o ka no'eau ('Ōlelo No'eau 1430) - Education is the standing torch of wisdom
Educate for adaptation & change	(Aina) 'A'ohē pau ka 'ike i ka hālau ho'okahi ('Ōlelo No'eau 203) - All knowledge is not taught in the same school

COURSE POLICIES

Attendance Policy

Students are expected to regularly attend all their courses and to arrive promptly. Student should notify their instructors by email when illness or other circumstances prevents them from attending class. Student must make arrangements to complete missed assignments on their own; this is not the responsibility of the instructor. Three unexcused absences may lead to a grade reduction for the course. Six unexcused absences may result in being withdrawn from the course by the instructor.

Late Work

Any assigned coursework not submitted by the prescribed deadline will be considered late, and will be subject to grade reduction at the discretion of the instructor. Should you be unable to complete an assignment on time, you should contact the instructor in advance to discuss the circumstances.

Mobile Devices

Out of consideration for your classmates, please set your cell phone to silent mode during class. Use of cell phones during class time is prohibited, except for emergencies.

Disability Access

If you need individual accommodations to meet course outcomes because of a documented disability, please speak with me to discuss your needs as soon as possible so that we can ensure your full participation in class and fair assessment of your work. If you would like to determine if you meet the criteria for accommodations, contact the Counseling Center at (808) 735-4845 for further information.

Title IX Compliance

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. If you or someone you know has been harassed or assaulted, please report this matter promptly to either the Dean of Students or the Counseling Center.

Refer to CUH Student Handbook for further information on the following policies:

- **Academic Honesty**
- **ADA Accommodation**
- **Title IX Compliance**
- **Academic Conduct**

COVID-19 Safety Protocols

For the most up to date information, please refer to: <https://chaminade.edu/coronavirus/>