

Course Syllabus

[Chaminade University Honolulu](https://www.chaminade.edu/)

3140 Waiālae Avenue - Honolulu, HI 96816



Chaminade
University
OF HONOLULU

Course Number: AR 255-01-1

Course Title: Beginning of 3D Design

Department Name: Humanities, Arts, and Design

Term: Spring 2023

Course Credits: 3

Class Meeting Hours: MW 1:00 pm-2:55 pm

Class Location: Ceramic studio 101 and 104

Instructor Name: Jun Funahashi

Email: junko.funahashi@chaminade.edu **Phone:** 646.645.3374

Office Location: Eiben-101

Office Hours: M W 3-5pm

Instructor Website: www.jfgallery.org

Other Professional Contact Information (IG): @junfunahash

University Course Catalog Description

The Contemporary 3D Design course is an introductory course that provides students with a foundation in three-dimensional design principles, tools, and methods. Throughout the course, students will explore various aspects of three-dimensional design, including visual perception, form, space, function, mass, and structure. The course aims to develop students' understanding of the fundamental principles that govern three-dimensional design and their application in contemporary contexts.

Course Overview

The course will cover key topics related to three-dimensional design, encouraging students to think critically and creatively about the meaning and significance of form and space. Students will engage in hands-on activities and projects that allow them to experiment with different materials, techniques, and processes to create three-dimensional designs. Through these practical experiences, students will develop their technical skills and enhance their ability to communicate ideas through three-dimensional objects.

By the end of the course, students will have gained a solid understanding of the principles and elements of three-dimensional design, as well as the ability to analyze and evaluate the effectiveness of various design solutions. They will also have developed their own creative problem-solving skills and be able to apply these skills to conceptualize and produce original three-dimensional designs.

Marianist Values

This class represents one component of your education at Chaminade University of Honolulu. An education in the Marianist Tradition is marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development:

1. Education for formation in faith
2. Provide an integral, quality education
3. Educate in family spirit
4. Educate for service, justice and peace
5. Educate for adaptation and change

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 (‘Olelo 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 (‘Olelo 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 (‘Olelo 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

Learning Outcomes

By the end of our course, students will be able to:

1. effectively experiment with a variety of materials and techniques in 3D art.
2. recognize and apply the fundamental elements of analog and digital art.
3. develop skills in articulating 3D techniques using appropriate terminology.
4. recognize and differentiate the styles and mediums of artists.
5. experience creative challenges that expand critical thinking, spatial understanding, and problem solving.

Course Prerequisites

None. This course is open to all students interested in three-dimensional design.

Please email Jun at junko.funahashi@chaminade.edu for any questions and concerns about prerequisites.

Required Learning Materials

You will need a laptop with Autodesk software. We mainly use Tinkercad for a 3D printer and Cura. All of the software from Autodesk is free for students.

Technical Assistance for Canvas Users:

- Search for help on specific topics or get tips in [Canvas Students](#)
- [Live chat with Canvas Support for students](#)
- Canvas Support Hotline for students: +1-833-209-6111
- Watch this [video to get you started](#)
- [Online tutorials](#): click on “Students” role to access tutorials
- Contact the Chaminade IT Helpdesk for technical issues: helpdesk@chaminade.edu or call (808) 735-4855

Technical lab experience

In the 3D Design program, students are encouraged to gain hands-on experience with the technical aspects of operating the lab equipment and maintaining the lab space. This practical experience not only enhances students' understanding and appreciation of their own work but also develops their proficiency in utilizing the tools and resources available to them.

As part of the program, students have the opportunity to engage in lab operation work, which may include tasks such as setting up and organizing the 3D lab, cleaning and maintaining equipment, and assisting fellow students with technical aspects of their projects. By actively participating in the lab operation work, students can develop a deeper understanding of the machinery and tools used in three-dimensional design, as well as learn valuable skills in lab management and organization.

Additionally, students who contribute to the lab operation work may have the opportunity to earn extra points at the discretion of the instructor. This serves as an incentive to encourage active participation and engagement in the technical aspects of the 3D lab. The specific criteria and allocation of extra points will be determined by the instructor based on the student's level of involvement and the quality of their contributions.

Engaging in lab operation work provides students with a well-rounded educational experience by combining theoretical knowledge with practical skills. It allows students to gain a comprehensive understanding of the entire process involved in creating three-dimensional designs, from concept development to material exploration and technical execution. Furthermore, actively participating in lab operations fosters a sense of responsibility and community within the 3D Design program, as students collaborate and support each other in the pursuit of their creative endeavors.

Please note that the availability of lab operation work and the specific guidelines for earning extra points may vary depending on the course and instructor. It is recommended to consult the instructor or refer to the course syllabus for more detailed information regarding the expectations and opportunities related to lab operation work in the 3D Design program.

Class-conduct policy

Respect for others in our lab. Use a headset if you need to listen to music while working on your clay. Friends or visitors are not allowed in the class without the instructor's approval. Only those who registered for the course are good to work in our lab. This rule applies outside the class hours as well. Every object needs the instructor's approval, otherwise may not be fired. Your cell phone must be in silence mode during our class period.

Tutoring and Writing 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 (<https://chaminade.edu/advising/kokua-ike/>) 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 Account – Notifications – TutorMe. For more information, please contact Kōkua 'Ike at tutoring@chaminade.edu or 808-739-8305.

Assessment

Provide a listing of assessments and their weighting. In addition to (or even in lieu of) tests, you may wish to consider creating “authentic” assessments, which are aligned to experiences that students will encounter in their careers. You also may wish to include service learning assignments and connect with the CUH [Service Learning Center](#).

Grading Scale

Letter grades are given in all courses except those conducted on a credit/no credit basis. Grades are calculated from the student's daily work, class participation, quizzes, tests, term papers, reports and the final examination. They are interpreted as follows:

A

90-100% : an excellent presentation and portfolio with outstanding work. ·
Satisfactory and timely completion of all project assignments. · Satisfactory attendance (no more than 2 unexcused absences) · Satisfactory class and critique participation

B

80-89% : a good quality of work throughout the semester.
· Satisfactory and timely completion of all project assignments ·
Satisfactory attendance (no more than 3 unexcused absences) · Satisfactory class and critique participation

C

70-79% : Timely submission for all assignments.

- Satisfactory and timely completion of all project assignments. · No more than 4 unexcused absences.
- Satisfactory class and critique participation

D

60-69%

- Satisfactory and timely completion of all written assignments. · No more than 5 unexcused absences.
- Satisfactory class and critique participation

F

Less than 60%

- Failure to submit project assignments.
- Non-compliance with project assignment guidelines
- More than 5 unexcused absences.
- Unsatisfactory class and critique participation

Course Policies

Late Work Policy

Please see our course schedule for the details.

There is a 10% points reduction from the final grading if you submit your artwork late.

Grades of "Incomplete"

If you don't submit your artwork, you will receive incomplete credit.

Writing Policy

Please use MLA or APA style for writing assignments.

Instructor and Student Communication

Questions for this course can be emailed to the instructor Jun Funahashi at

junko.funahashi@chaminade.edu . Online, in-person and phone conferences can be arranged. Response time will take place up to 24 hours. Do not message, text, or call us between 10 pm-8 am unless there is an emergency.

Cell phones, tablets, and laptops

Please set your cell phone to silent mode during class. Students are encouraged to bring laptops or tablets to class as the instructor will assign online activities and readings that will require the use of a laptop or tablet. Laptops and tablets should not be misused, such as checking distracting websites. Use your best judgment and respect your classmates and instructor.

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. 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 Kōkua 'Ike: Center for Student Learning by the end of week three of the class, in order for instructors to plan accordingly. If a student would like to determine if they meet the criteria for accommodations, they should contact the Kōkua 'Ike Coordinator at (808) 739-8305 for further information (ada@chaminade.edu).

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 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. If you or someone you know has been harassed or assaulted, you can find the appropriate resources by visiting Campus Ministry, the Dean of Students Office, the Counseling Center, or the Office for Compliance and Personnel Services.

Attendance Policy

In the Contemporary Ceramics Design course, attendance is considered essential to maximize the educational experience and ensure the best return on investment for students. Taking an undergraduate course is a gift for yourself. Continuing your education costs time and money, both of which are valuable for adults. To maximize your return, I require attendance at all our classes. If you come to the class late or leave early 3 times, it will be counted as a day of absence. The following attendance policy is based on the information provided in the Academic Catalog (p. 54-55). However, it is advisable to consult the course syllabus or the instructor for any course-specific variations or updates.

1. Attendance Expectation: Students are expected to attend all classes for which they are registered. Regular attendance allows students to fully engage with the course material,

- participate in discussions, and benefit from in-class activities and demonstrations.
2. Notification of Absences: If a student is unable to attend class due to illness or other extenuating circumstances, they should notify the instructor promptly. Notification can be done through email, phone call, or leaving a message with the instructor's division office. It is important to communicate with the instructor to discuss missed assignments and potentially modify deadlines based on the situation.
 3. Consequences of Unexcused Absences: Unexcused absences equivalent to more than a week of classes may result in a grade reduction for the course. If a student has two consecutive weeks or more of unexcused absences, the instructor may choose to withdraw the student from the course, although it is not mandatory for the instructor to do so. Regular and repeated absences without a valid reason put students at risk of failing grades.
 4. Accommodations for Students with Disabilities: Students with disabilities who have obtained accommodations from the Chaminade University of Honolulu Tutor Coordinator may be considered for exceptions to the attendance policy if the accommodation does not significantly impact the attainment of learning outcomes. Students are encouraged to discuss their specific needs with the instructor.
 5. Financial Aid and Attendance: Federal regulations require continued attendance for the continuing payment of financial aid. In cases where illness or personal reasons necessitate continued absence, students should communicate with the instructor to review available options and potential accommodations. Failure to officially withdraw from the course after extended absence may result in a failing grade or withdrawal by the instructor at their discretion.

Students are expected to attend all courses for which they are registered. Students should notify their instructors when illness or other extenuating circumstances prevents them from attending class and plan to complete missed assignments. Notification may be done by emailing the instructor's Chaminade email address, calling the instructor's campus extension, or by leaving a message with the instructor's division office. 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.

Students with disabilities who have obtained accommodations from the Chaminade University of Honolulu Tutor Coordinator may be considered for an exception when the accommodation does not materially alter the attainment of the learning outcomes.

Federal regulations require continued attendance for continuing payment of financial aid. When illness or personal reasons necessitate continued absence, the

student should communicate first with the instructor to review the options. Anyone who stops attending a course without official withdrawal may receive a failing grade or be withdrawn by the instructor at the instructor's discretion.

Academic Conduct Policy

From the Undergraduate Academic Catalog (p. 39):

Any community must have a set of rules and standards of conduct by which it operates. At Chaminade, these standards are outlined to reflect both the Catholic, Marianist values of the institution and to honor and respect students as responsible adults. All alleged violations of the community standards are handled through an established student conduct process, outlined in the Student Handbook, and operated within the guidelines set to honor both students' rights and campus values.

Students should conduct themselves in a manner that reflects the ideals of the University. This includes knowing and respecting the intent of rules, regulations, and/or policies presented in the Student Handbook, and realizing that students are subject to the University's jurisdiction from the time of their admission until their enrollment has been formally terminated. Please refer to the Student Handbook for more details. A copy of the Student Handbook is available on the Chaminade website.

For further information, please refer to the Student Handbook:

<https://chaminade.edu/wp-content/uploads/2019/08/NEW-STUDENT-HANDBOOK-19-20-Final-8.20.19.pdf>

[Links to an external site.](#)



Credit Hour Policy



The unit of semester credit is defined as university-level credit that is awarded for the completion of coursework. One credit hour reflects the amount of work represented in the intended learning outcomes and verified by evidence of student achievement for those learning outcomes. **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 to spend about 90 hours in class, 10 hours writing and research response slides, 10 hours studying for the midterm preparation and presentation, 5 hours writing and revising the research papers, and 10 hours studying for the final exam. There will be an additional 10 hours of work required beyond what is listed here (course reading, homework assignments, museum visit etc.).**

The minimum 45 hours of engagement per credit hour can be satisfied in fully online, internship, or other specialized courses through several means, including

(a) regular online instruction or interaction with the faculty member and fellow students and (b) academic engagement through extensive reading, research, online discussion, online quizzes or exams; instruction, collaborative group work, internships, laboratory work, practice, studio work, and preparation of papers, presentations, or other forms of assessment. This policy is in accordance with federal regulations and regional accrediting agencies.

Course Outline and Schedule

Week/Date	Topics and Activities	DUE
1 – 8/21 8/23	<p>INTRODUCTION TO COURSE</p> <ul style="list-style-type: none"> · Defining 3D design · Graphic design vs art · Design thinking · Visual design tools · Syllabus · Plagiarism/copyright infringement · Introduce Canva <p> AR 255-1-1:Active Learning Introduction 1</p>	
	Active Learning Introduction	8/23
	 Creative Power Book 2	9/4
3 – 9/4 9/6	<p>Project 1: Moon Mirror Activity</p> <ul style="list-style-type: none"> *Introduce GlowForge Laser Cutter (Day 3-4) *draw your design on an ipad or a paper (needs to be in black and white) *Design your prototype (Day 4-6) <p>COMPOSITION Study</p> <ul style="list-style-type: none"> · Focus, Leading lines, Scale/hierarchy, Contrast, Repetition, White space, Rule of thirds 	

	<p>Design Project 1</p> <ul style="list-style-type: none"> · Design your first prototype. <p>Prototype Drawing</p> <p> Creative Power Book 2</p>	9/18
4 – 9/11	Project 1:	
9/13	<ul style="list-style-type: none"> *Draw design in 2D and drop the design into TinkerCAD *print out your design, using a 3D printer or Laser Cutter *Create a collection (Day 6-8) <ul style="list-style-type: none"> ○ Once you are happy with your first prototype, make a variation, and create a collection. <p>COLOR Study</p> <ul style="list-style-type: none"> · Primary, secondary, and tertiary colors · Hue, value, intensity, and saturation · Achromatic vs monochromatic · Analogous, complementary, triadic · Gradients, temperatures · Emotional response to color · Color symbolism, meaning, cultural variations 	
5- 9/25 9/27	<p>Project 1: Design Logo and Cards (week 4-7)</p> <ul style="list-style-type: none"> *design your logo, using Canva (Day 9-10) *Create a stamp of your logo, using 3D printer (Day 10-11) <p>The 7 Principles</p> <p>https://universaldesign.ie/What-is-Universal-Design/The-7-Principles/</p>	
	<p>Critique 1 (Design Project 1)</p> <p> Creative Power Book 3</p>	9/25
7 – 10/2 10/4	<p>Project 1:</p> <ul style="list-style-type: none"> *design your card, using Canva (Day 11-12) *create *svg file, using Adobe Express (Day 12-13) print with a laser cutter or printer (Day 13-14) <p>SYMBOLISM Study</p> <ul style="list-style-type: none"> · Symbols and signs, Psychoanalytical symbols, Metaphor in visual design, Evolution of symbols and metaphor 	

8 – 10/9 10/11	Project 2: Prep for Showcase (week 8-9) CUH Open Market Production	
9 – 10/16 10/18	Project 2: VISUAL IDENTITY AND BRANDING · Visual branding · Visual identity · Promo and poster Design Design Project 2 and Critique 2	
10 – 10/25 10/30	DESIGN THEORY Study · Gestalt Principles · Visual perception	
11 – 11/1 11/6	CREATIVITY, ARTISTRY, AESTHETICS, AND THE DESIGN PROCESS · Creativity vs Innovation · Aesthetics and their evolution · Creative/Design Process · Flow	
	Critique 2 (Design Project 3)	10/30
12 – 11/8 11/13	ADVERTISING, BROCHURES, PRINT, POSTERS · Work with Canva, create layout of print materials SHOWCASE PREPARATION AND ACTIVITY · Prepare for the Open Market · Create Flyer · Finalize your collection · Use in ads, signs, posters, etc	
13 – 11/15 11/20	Project3: Web Design · Photoshoot for your website · Font and layout	
	Critique 4 (Project 4) Research Presentation	11/20
14 – 11/22	Thanksgiving Break (no classes)	
15 – 11/27 11/29	Web Design: Finalize your materials for your final presentation Final Critique (Project 3)	
	Design Project 3 (web design)	11/29

Grading Outline

 **Rubric: AR250, AR350, 2023**

*Each project will have a [rubric](#) to quantify grades. Click on the highlighted area above to see the details of the project and [a grading system](#).

