



Chaminade University

OF HONOLULU

Course Syllabus

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

3140 Waialae Avenue - Honolulu, HI 96816

Course Number: ENV 310

Course Title: Natural Resource Management

Department Name: Natural Sciences and Mathematics

College/School/Division Name: Chaminade University of Honolulu

Term: Spring 2022

Course Credits: 3

Class Meeting Days: Monday, Wednesday, Friday

Class Meeting Hours: 8:30 am – 9:20 am

Class Location: TBA

Instructor Name:

Email: kahoalii.keahi-wood@chaminade.edu

Phone: 808.739.7481

Office Location: Henry 6

Office Hours: By appointment

Instructor Website: N/A

Other Professional Contact Information N/A

University Course Catalog Description

This course teaches students the skills necessary to use, protect and maintain natural resources so that they may exist perpetually to the benefit of natures and humans alike. Course requires some understanding of biological processes, business methodology, political process and policy applications. Course must be taken concurrently with ENV 310L.

Course Overview

Student(s) will learn the basics of resource management, why natural resource management is important, its limitations, how its being managed today, how management practices can be improved on, and how our resources are being managed here in Hawai'i. This will be done in combination with lectures, presentations, and class discussions.

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 (‘Olelo 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 (‘Olelo 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. Understand what Natural Resource Management is
2. Understand what happens when we exploit or degrade natural resources
3. Know successful means of restoring exploited or degraded resources
4. Understand the effects hunting, farming, and rangeland may have on wildlife
5. Understand the basic strategies of forestry and aquatic resource management
6. Be familiar with the economic value of wildlife management from hunting, mitigation and non-consumption perspectives
7. Know the national agencies, structure and policies in place to manage and protect wildlife in the United States

Alignment of Learning Outcomes

	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5	CLO 6	CLO 7
Marianist Values							
Program Learning Outcomes							

Course Prerequisites

Any one of the following: BI 102, BI 115, BI 203, BI 204 or ENV 201

Required Learning Materials

Required reading materials will provided though canvas

Course Website:

<https://chaminade.instructure.com/courses/10079>

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

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 Smarthinking. Smarthinking can be accessed 24/7 from your Canvas account. Simply click Account – Notifications – Smarthinking. For more information, please contact Kōkua ‘Ike at tutoring@chaminade.edu or 808-739-8305.

Assessment

1. **Malama (Attendance): 5%**

E hele mai i ka papa i kela me keia la (come to class every day). Attendance depends on the use of your agency and the wisdom of your choice.

Absences can often affect your ability to obtain the *ike* (knowledge) being presented in class, so please prepare by having a fellow classmate take notes for you. The knowledge needed to successfully pass your tests is mostly available in class.

Excused Absences

1. Excused Absences

- (a) **email the instructor** and
- (b) **attach a doctor's note**

Excused absences include, but are not limited to:

- Illness (requires doctor’s note)
- Death and/or funeral of family or close friend
- Mandatory professional training, education, and/or licensing that cannot be rescheduled (requires prompt notice to the instructor)
- Mandatory active or reserve military obligations that cannot be rescheduled (requires prompt notice to the instructor)
- Religious holidays
- Attendance at a local, national, or international conference
- Court appearances for which you are subpoenaed as a witness or in a matter in which you are a party
- Serious personal matters

2. Na Ha`awina (Assignments): 5%

The information presented in this course is divided by 3 Mahele (part, section, module) i.e. Mahele 1, Mahele 2, Mahele 3. Each Mahele contains the assignments you will be working on throughout the semester. Each new Mahele is pre-programmed to be released to students one week before the assignments are due.

Readings and videos for each Mahele should be completed prior to arriving in class.

The following are due the following Monday after each Friday class as you will need the lecture information from that day to complete the following:

Ka No`ono`o (Class Reflection)

Field Assignment (Papa Hana)

Palapala`aina (Map Assignment)

3. Ka No`ono`o (Class Reflection): 20 %

There are 12 discussions relating to various topics throughout the semester requiring your thoughtful reflection and interaction with your classmates. These discussions are posted online on the discussion board on Canvas.

Discussion Guidelines and etiquette on Canvas:

- Use a subject line that relates to your post; this will help create interest and focus on the discussion.
- Write clearly and with expression. Communicating online requires careful and clear writing. Though humor is effective and at times relevant in a
- discussion, be sure to avoid sarcasm, which does not translate well in the online environment.
- Be supportive, considerate and constructive when replying to your classmates. Do not use inappropriate language. If you disagree with a classmate
- please respond in a respectful and tactful manner. Any posts deemed inappropriate will be removed from the discussion board.
- Keep your post focused on the topic, relating any class readings and materials from the current module in your post (as applicable).
- Proofread and review your response before hitting the submit button! You have one hour to edit your response before it is posted, then, it cannot be
- modified or removed except by the instructor.
- Participate regularly. Improve your learning by being an active and engaged student. Successful students follow and participate in the assigned
- discussion throughout the module, logging on at least three times a week while reading and participating in forums as assigned in the module.
- Postings of photographs, voice recordings, links, uploaded documents, etc. that help to substantiate your point-of-view is highly encouraged.

4. Huli ka Lima (Field Assignment) 20% – For this assignment student(s) are to look outside around their home for one invasive plant, mammal, or aquatic species and identify the followings:

1. Scientific name
2. Place of origin
3. Is it native or invasive?
 - a. If invasive, what makes it invasive?
4. How much area does the species cover?
 - a. If a mammal or aquatic species: What is its assumed range or migration/ habitat?

5. What would your management plan be for control or eradication?
6. Are there negative consequences to the management plan?

5. Kilo(Presentations): 20%

Presentations give students the opportunity to learn personally about Management techniques and policies and how our biases effect their outcomes.

1. **Group Work.** Student(s) will be organized into groups for presentations for reasons of encouraging student growth in research, holding unbiased discussions, and cooperation. Group work also helps decrease the burden of individual students.
2. **Presentation.** Student(s) will be assigned topics of interest based on the Mahele for their presentations. The criteria for presentations are as follows:

Individual Presentation:

		MAX
Volume		5
Clarity		5
Posture		5
Flow/ Transition		5
Eye Contact		5
Visuals		5
Words per Slide		5
Message Delivery		5
Total Score		40

Group Content - Where the following points made clear throughout the presentation:

	Yes (4 pts)	A Little (2 pts)	NO (1 pts)	Max
Topic				4
Why it matters				4
History				4
Media/ Communication				4
Education/ Outreach				4
Science/ Ind. Knowledge				4
Stakeholder/ Who cares				4
Economics				4
Laws/ Regulations				4
Solutions				4
Total Score				40

6. Palapala`aina (Map Assignment): 30%

There will be one final exam at the end of the semester. The exam will be cumulative, incorporating everything that was covered in lectures and peer presentations.

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 Outstanding scholarship and an unusual degree of intellectual initiative
- B Superior work done in a consistent and intellectual manner
- C Average grade indicating a competent grasp of subject matter
- D Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work
- F Failed to grasp the minimum subject matter; no credit given

Malama (Attendance):	5%
Ka No`ono`o (Class Discussion):	20%
Huli ka Lima (Field work):	20%
Kilo (Projects):	20%
Palapala`aina (Map Assignment):	35%

Course Policies

Late Work Policy

5 points will be deducted for every day the assignment is late

Grades of "Incomplete"

If you wish to take an incomplete, please email the instructor and they will review your performance and discuss your options as seen fit.

Instructor and Student Communication

Questions for this course can be emailed to the instructor at kahoalii.keahi-wood@chaminade.edu . Online, in-person and phone conferences can be arranged. Response time will take place up to 24 hours.

Cell phones, tablets, and laptops

Out of consideration for your classmates, 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 the Counseling Center 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

The following attendance policy is from the 2019-2020 Academic Catalog (p. 54-55). Faculty members should also check with their divisions for division-specific guidelines.

Students are expected to attend regularly all courses for which they are registered. Student should notify their instructors when illness or other extenuating circumstances prevents them from attending class and make arrangements 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 ADA 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 2019-2020 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 so as 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>

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. Each credit hour earned at Chaminade University should result in 37.5 hours of engagement. For example, in a one credit hour traditional face to face course, students spend 50 minutes in class per week for 15 weeks, resulting in a minimum of 12.5 instructional hours for the semester. Students are expected to engage in reading and other assignments outside of class for at least 2 additional hours per week, which equals an additional 25 hours. These two sums result in total student engagement time of 37.5 hours for the course, the total engagement time expected for each one credit course at Chaminade.

The minimum 37.5 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, practica, studio work, and preparation of papers, presentations, or other forms of assessment. This policy is in accordance with federal regulations and regional accrediting agencies.

Schedule

Mahele	Pule	La	Papa Hana	Haawina
	1	Jan. 10	Syllabus, Introduction's	
		Jan. 12	History and Management Perspectives	
		Jan. 14	Geography and the Importance of History	Ka No'ono'o 1
	2	Jan. 17	Holiday	
		Jan. 19	Holiday	
		Jan. 21	The Volcanic Origin of Hawai'i	Ka No'ono'o 2
	3	Jan. 24	How do we Classify Climate: Dodonea Viscosa	Map Assignment: Layer 1
		Jan. 26	Vegetation Zones of Hawai'i	
		Jan. 28	What is Ecology: Population, Community, Ecosystem (Miconia)	Ka No'ono'o 3
	4	Jan. 31	Native/ Endemic vs Indegenos vs Invasive Species	Presentation Topics
		Feb. 2	Ohi'a Die back	
		Feb. 4	Soils in Hawai'i	Ka No'ono'o 4
	5	Feb. 7	Land Management and Division: Historical vs Modern	
		Feb. 9	Policy and law	Presentation draft
		Feb. 11	Non-Native and Invasive Species	Ka No'ono'o 5
	6	Feb. 14	Alala Breeding Program	Map Assignment: Layer 2
		Feb. 16	Pesticides and Herbicides	
		Feb. 18	Native Hawaiian Gathering rights	Ka No'ono'o 6
	7	Feb. 21	Holiday	Presentation Final
		Feb. 23	Traditional Resource Management Practices	
		Feb. 25	Huaka'i (Hiking?)	Ka No'ono'o 7
	8	Feb. 28	Holiday	Huli Ka Lima 1
		Mar. 2	Presentations	

Mahele	Pule	La	Presentations	
	8	Mar. 4	Review Session	Ka No`ono`o 8
	9	Mar. 7	The Hydrological Cycle	Huli Ka Lima 2
		Mar. 9	Papa Hana	Kilo 3
		Mar. 11	Ground Water, Pressure, and Water Rights	
	10	Mar. 14	Estuaries, Marshes, and Fishponds	Huli Ka Lima 3
		Mar. 16	Erosion and Construction	Map Assignment: Layer 3
		Mar. 18	Water Divergence and Loi Kalo	Presentation Topics
	11	Mar. 21	Spring Break	
		Mar. 23	Spring Break	
		Mar. 25	Spring Break	
	12	Mar. 28	Drinking water, Sanitization, and Pollution	Presentation Draft
		Mar. 30	Coastal and Beach Access	Map Assignment: Layer 4
		Apr. 1	Fishing Practices Then and Now	
	13	Apr. 4	Review	Huli Ka Lima 4
		Apr. 6	Recreation and Invasive Species	Presentation Final
		Apr. 8	Collection and Propagation	
	14	Apr. 11	Presentations	
		Apr. 13	Presentations	Map Assignment: Layer 5
		Apr. 15	Presentations	
	15	Apr. 18	Guest Speakers	Video Submission
		Apr. 20	Guest Speakers	Video Submission
		Apr. 22	Guest Speakers	
	16	Apr. 25	Guest Speakers	Video Submission
		Apr. 27	Guest Speakers	Video Submission
		Apr. 29	Finals	