

Course Syllabus

Course Number: BI402/ ENV 402

Course Title: Our Place in the Kumulipo

Department Name: Natural Sciences and Mathematics

College/School/Division Name: Chaminade University of Honolulu

Term: Spring

Course Credits: 3

Class Meeting Days: Tuesday, Thursday

Class Meeting Hours: 11:30am – 12:50pm, 3 hours per week

Class Location: Sullivan Library Hall 102

Instructor Name: Kahoali'i Keahi

Email: kahoalii.keahi-wood@chaminade.edu

Phone: 1(808)674-7834

Office Location: Henry 6

Office Hours: By appointment

Instructor Website: N/A

Other Professional Contact Information: N/A

1. University Course Catalog Description

Selected topics in biology. Lecture or seminar topic in selected area of contemporary biology. May be repeated.

2. Course Overview

Student(s) will learn traditional Hawaiian protocol and practice through *oli* (chants and prayers), *hana no`eau* (crafts and specialties), and various *mo`olelo* (stories) of the surrounding area. Interns will be learning more about their cultural heritage so as to better ground them in their studies. This will be accomplished through evaluating current curriculum within their major to determine where Hawaiian culture and practice are currently being incorporated or where it may be added increasing existing knowledge of Hawai'i.

Student expectations:

- Spend a minimum of 3 hrs/week (no less than 1.5 hrs per meeting) learning relevant skills and concepts.
- Complete all work assignments.
- Student must complete their designated **Papa Hana** and the **Ho`ike** to complete the course.
- Be prompt, both in attendance and in turning in of assignments.
- Be responsible & proactive. If you miss a class ask for the missed information. It is **YOUR** responsibility to pick up any handouts.
- Ask the instructor for assistance in advance. **DO NOT WAIT** until the day of the exam or the day when an assignment is due to ask questions or ask for help.
- Respect. It works both ways.
- Remember, the knowledge you will take away from your courses is directly proportional to what you put into your courses so keep a positive attitude and work hard!

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:

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

Hawaiian Values Integration Statement

At Chaminade University of Honolulu, embedding Hawaiian values into academic courses honors the cultural heritage and traditions of Hawai'i. These values, rooted in love (*aloha*), stewardship (*mālama*), and responsibility (*kuleana*), guide students in developing academic knowledge alongside ethical awareness, environmental respect, and a deeper sense of community. Integrating Hawaiian values in the classroom fosters holistic learning, diverse ways of knowing, and leadership rooted in compassion and accountability. This place-based approach ensures that education remains relevant and connected to the land and its people, aligning with the spirit of *aloha 'āina*.

Overarching Values for All Departments

Value	Meaning
Aloha	Love, mutual respect
Pono	Righteousness, morality
Kuleana	Responsibility

Natural Sciences and Mathematics

Value	Meaning
‘Imi Na‘āuao	Pursuing wisdom
Mālama	Stewardship

3. Program Learning Outcomes

Upon completion the program in Biology, a graduating student will demonstrate the following competencies:

1. An understanding of the scientific method and the ability to design and test a hypothesis
2. The ability to visualize, statistically evaluate, validate and interpret scientific data, and to communicate science effectively both orally and in writing
3. The ability to acquire and comprehend information from published scientific literature and to employ computational resources in the resolution of biological problems
4. An understanding of the chemical and physical principles that unite all life forms, and of biological organization at the molecular, cellular, tissue, organ, organism and system levels
5. The ability to define the components and processes of genetic and epigenetic information transmission, and their determinant effects on the adaptive and evolutionary processes that they drive
6. An understanding of the etiology of major human disease burdens in terms of pathophysiological mechanisms, epidemiology within populations and possible therapeutic approaches
7. An understanding of the entry requirements, career pathways and progression for the major post-graduate fields of research, education and the health professions

4. Course Learning Outcomes and Linkage to Program Learning Outcomes

Students who successfully complete this course will be able to:

Course Learning Outcomes	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
1. Establish a strong foundation in Hawaiian culture	X	X	X			X	X
2. Utilize learned cultural knowledge and skills to benefit the student's college experience							X
3. Utilize learned cultural knowledge and skills to help the student identify possible career paths	X	X	X			X	
4. Linking the Hawaiian perspective of the world to the broader understanding of science	X	X	X			X	X

5. Course Prerequisites

BI307 and BI307L

6. Required Learning Materials

Required reading materials will be provided on Canvas.

7. Course Website:

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

8. Technical Assistance for Canvas Users:

Search for help on specific topics at help.instructure.com. [Chat live with Canvas Support 24/7/365](#). Watch this [video to get you started](#) with online guides and tutorials. Contact the Chaminade IT Helpdesk for technical issues: helpdesk@chaminade.edu, or call (808) 735-4855

9. Assessment.

Malama (Attendance):	5%
Ike (Understanding):	25%
Pa`ahana (Projects):	40%
Ho`ike (Showcase):	30%

Papa Hana (Projects):

The students will be required to complete 2 projects at an adequate level in order to pass this class. These projects are as listed below:

1. The importance of "Wahi"

Throughout the course of the semester each student will choose an island to study. Each week the student will write up to 2 pages (Times New Roman, 12, double spaced) on their chosen topic. Each week will be a different theme in which will be covered in class.

By the end of the semester each student will have completed a 10 page, minimum, research paper depicting: their chosen island, mo`olelo of its creation and wahi pana, winds and rains of the area, geological formation, and farming practices pre and post contact. Criteria for this paper will be handed out during the assignment.

Research Paper (40%):

Research paper: Throughout the course of the semester each student will choose an island to study. Each week the student will write up to 2 pages (Times New Roman, 12, double spaced) on their chosen topic. Each week will be a different theme in which will be covered in class. By the end of the semester each student will have completed a 10 page, minimum, research paper depicting: their chosen island, mo`olelo of its creation and wahi pana, winds and rains of the area, geological formation, and farming practices pre and post contact. Criteria for this paper will be handed out during the assignment.

Ho`ike Hope (30%):

Ho`ike Hope: At the end of the semester the student(s) will give a Ho`ike in place of a final exam. This Ho`ike will showcase to faculty and staff what they have learned throughout their internship. The student(s) will give a 30-minute presentation through either power point or poster presentation.

2. The Ethics of Business

Throughout the course of the semester each student will choose a practice covered in class to create a business around. The student will develop a business name, product, ethical code of conduct, and an annual budget and small business forms.

By the end of the semester each student will have created a small business with the chosen practice complete with no less than 10 products, a website, motto and goals, annual budget, ethical of business vs cultural practice, and necessary Tax forms.

Product and Sale (40%)

Throughout the course of the semester each student will choose a practice to create products to center their business around. They are then required to write up details on the materials required for said product. This includes season, location, materials to complete said product, time to create product, and any other steps required to complete each product ethically and traditionally. By the end of the semester the student should have everything they need to launch the business on their own or through other sites such as Etsy, or Instagram.

Ho`ike Hope (30%)

At the end of the semester the student(s) will give a presentation in place of a final exam centered around launching their small business. This launch will showcase their business and all necessary steps it took to create. They will also discuss the validity of running a business while sticking to traditional practices and ethics.

*Note: All criteria will be given once the respective Papa Hana are chosen.

10. Grading Scale

Letter grades are given in all courses except those conducted on a credit/no credit basis. They are interpreted as follows:

A 90-100%	900 points or more: Outstanding scholarship and an unusual degree of intellectual initiative
B 80-89%	800-899 points: Superior work done in a consistent and intellectual manner
C 70-79%	700-799 points: Average grade indicating a competent grasp of subject matter

D 60-69% 600-699 points: Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work.
 F <60% 699 points or less: Failed to grasp the minimum subject matter; no credit given

11. Course Schedule

Tentative Course Outline (subject to change as instructor sees fit)

Week	Lecture Topics	Haawina
1	Welina: A Practice in Inclusion	Autobiographical
1	Kumulipo: An Introduction to Mana	Hoolauna and Mookuauhau
2	Kumulipo WA 2: The Deep Sea	Reading Discussion 1: Kumulipo Introduction
2	Observations and Navigation	Reading Discussion 2: Mana Lahui Kanaka
3	Kumulipo WA 3: The Sky and Flying Creatures	Mana and Mookuauhau WKST
3	Space Delineation by Hawaiian Kupuna	Reading Discussion 3: Mana Lahui Kanaka
4	Kumulipo WA 4: Shoreline and Crawling Creatures	
4	Duality and Understandings	Reading Discussion 4: Mythology and Genealogy
5	Plants and Human Interaction	Reading Discussion 5: Laau Hawaii Ch. 3
5	Introduction to La`au Lapa`au: Code of Conduct	Reading Discussion 6: Laau Hawaii Ch. 13
6	The Akua of Healing	Na Akua Hawaii WKST
6	The similarities of Healing and Death	Reading Discussion 7: Mythology Lonopuha
7	Healing Plants of Hawaii	
7	Basic Healing Plants	Reading Discussion 8: Plants in Hawaiian Medicine_1
8	Kumulipo WA 8: La`ila`i, Migration into the Pacific	Reading Discussion 9: Vikings in Hawaii
8	The Gods of Hawaii	
9	Kumulipo WA 9: First Humans/ Hawaiian	Reading Discussion 10: Mythology and Mu and Menehune
9	Who are the first Hawaiian/ What is a Hawaiian	
10	Politics (Rules and Regulations in Hawaii)	Native Hawaiian Rights WKST
10	Delineation of Land and class	Reading Discussion 11: From the Mountain to the Sea
11	Kumulipo WA 13: Papa and Wakea	Na Alii Kaulana o Oahu WKST
11	Ruling and Warfare	
12	Migration of Gods to Hawaii	
12	Stories and Legends of old Hawaii	
13	Land and politics today: Modern Hawaiian History	
13	Hawaiian Homelands	
14	Natural Resource Management	
14	Board of Water Supply	
15	La`au Plants: Upper Respiratory Issues	
15	La`au Plants: Muscles, Skin Tissue, and Nerves	
16	Final Presentations	

12. Alignment of Natural Sciences Courses with Marianist and Hawaiian values of the University.

The Natural Sciences Division provides an *integral, quality education*: sophisticated integrative course content taught by experienced, dedicated, and well-educated instructors.

- *We educate in family spirit* – every classroom is an *Ohana* and you can expect to be respected yet challenged in an environment that is supportive, inclusively by instructors who take the time to personally get to know and care for you.
- *We educate for service, justice and peace*, since many of the most pressing global issues (climate change, health inequity, poverty, justice) are those which science and technology investigate, establish ethical parameters for, and offer solutions to.

- *We educate for adaptation and change.* In science and technology, the only constant is change. Data, techniques, technologies, questions, interpretations and ethical landscapes are constantly evolving, and we teach students to thrive on this dynamic uncertainty.

The study of science and technology can be formative, exploring human creativity and potential in the development of technologies and scientific solutions, the opportunity to engage in the stewardship of the natural world, and the opportunity to promote social justice. We provide opportunities to engage with the problems that face Hawai'i and the Pacific region through the Natural Sciences curriculum, in particular, those centered around severe challenges in health, poverty, environmental resilience, and erosion of traditional culture. The Marianist Educational Values relate to Native Hawaiian ideas of *mana*, *na'auao*, *ohana*, *aloha* and *aina*. We intend for our Natural Sciences programs to be culturally-sustaining, rooted in our Hawaiian place, and centered on core values of *Maiiau*, be neat, prepared, careful in all we do; *Makawalu*, demonstrate foresight and planning; *'Ai*, sustain mind and body; *Pa'a Na'au*, learn deeply.

13.1. Late Work Policy

Requests for extensions due to extenuating circumstances (documented computer or medical problems, for example) will be considered but in general 1 point will be marked off for each day the assignment has passed the deadline.

13.2. Grades of "Incomplete"

Students and instructors may negotiate an incomplete grade when there are specific justifying circumstances. An Incomplete Contract (available from the Divisional Secretary and the Portal) must be completed. When submitting a grade the "I" will be accompanied by the alternative grade that will automatically be assigned after 90 days. These include IB, IC, ID, and IF. If only an "I" is submitted the default grade is F. The completion of the work, evaluation, and reporting of the final grade is due within 90 days after the end of the semester or term. This limit may not be extended.

13.3. Writing Policy

Ha'awina

All papers are to follow the following format:

MLA format

12-point font

Single spaced

Citations in MLA format

13.4. Instructor and Student Communication

Questions for this course can be emailed to the instructor at [hturner@chaminade.edu]. Online, in-person and phone conferences can be arranged. Response time will take place up to 3 days.

13.5. Cell phones, tablets, and laptops

Music Devices and Cellular Phones: Unless specifically permitted by your instructor, use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes, as it is discourteous and may lead to suspicion of academic misconduct. Students unable to comply will be asked to leave class. 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.

13.6. 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 Counseling Center at (808) 735-4845 for further information (counselingcenter@chaminade.edu).

13.7. 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.

13.8. Attendance Policy

The following attendance policy is from the 2018-2019 Academic Catalog (p. 57-58): 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.

13.9. Academic Conduct Policy

See the current Undergraduate Academic Catalog and the Student Handbook available from Student Affairs.