



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

BIOL 101

3 Credits - Early College Ka 'Umeke

CRN: 64489

Wednesday: 8:15 am - 1:00 pm (Lab)

Friday: 9:30 am - 10:35 am (Online Synchronous)

Zoom Link

INSTRUCTOR: Savili Kamuela Bartley Jr.

OFFICE: Virtual Zoom class

OFFICE HOURS: Email to schedule an appointment

EMAIL: Savili@hawaii.edu

EFFECTIVE DATE: Spring 2023 - January 9th, 2022 - May 12th, 2023

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko'olau region of O'ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

Course Description

This course is designed to educate on biology in the context of structure and function, ecosystems, and heredity and evolution. This course is aligned with the Next Generation Science Standards (NGSS). Students will be able to define biology and learn different aspects, practices and studies within. In addition to that students will understand Hawai'i practices such as kilo, mālama 'āina, mea loko i'a, mea lo'i and how they all play a huge role in perfecting the current view of sciences. In this course we will share how ka po'e kahiko o Hawai'i were engineers, scientists, architects, farmers, astronomers, botanists, doctors and so much more. They ensured their practices lasted for centuries to provide for many generations. This course is designed to follow the NGSS while also acknowledging the ingenuity and intelligence of ka po'e Hawai'i.

¹Student Learning Outcomes

The learning outcomes for this course are:

BIOL101:

- 1. Understand and define Biology.*
- 2. Introduction to Structure and Function, Growth and Development of Organisms, and Organization for Matter and Energy Flow in Organisms.*
- 3. Define and understand different variables of ecosystems.*
- 4. Introduction on the topics of Heredity and Evolution.*
- 5. Understand the role of biology and traditional practices of Hawai'i.*
- 6. Correlations between practices of Hawai'i and the study of life.*

BIOL101 Lab:

- 1. Learn proper field work practices and protocol.*
- 2. Demonstrate adequate knowledge and perform tasks in the field with the teachings from the prior classes.*
- 3. Identify and explain the differences in ecosystems in the field.*
- 4. Work together to form educated guesses while collecting data to support the proposed term.*

Assessment and Grading

Letter grades will be assigned as follows:

A - 90-100%

B - 80-89%

C - 70-79%

D - 60-69%

F - 59% or below

Participation/Discussions/Activities:

1. Zoom attendance/participation: 25%
2. Ha'awina (Assignments and activities): 25%
3. Kūkākūkā (Discussions and forums): 25%

Projects:

1. Hō'ike (Final): 25% **Total possible: 100%**

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Additional Information

Principles:

Ma ka hana ka 'ike. In working one learns.

E aloha kekahi i kekahi. Love one another.

'A'ohe hana nui ke alu 'ia. No task is too big when done together by all. 'A'ohe pau ka 'ike i ka hālau ho'okahi. All knowledge is not learned in just one school.

'Āina Work Information:

Students are encouraged to bring their own tabs and gloves. The pond will provide necessary equipment if students need it. Always bring a towel, extra pair of clothes, and refillable water bottle.

Student Expectations:

The student is expected to attend and actively participate in all course lectures and activities, and complete all assignments, quizzes and examinations on time.

The student is expected to be prepared in advance before the class sessions. Being prepared includes the following: having read text materials (e.g., textbook readings and other resources) assigned for that day's activities and bringing required work materials (e.g., textbook, handouts, writing supplies, etc.) to the session. Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time in class. It is the student's responsibility to be informed of these changes. It is the student's responsibility to be informed about deadlines critical to making registration changes (e.g., last day of erase period and last day for making an official withdrawal). When difficult concepts and detailed information are presented, it is the student's responsibility to take the appropriate steps to learn and understand these concepts and information.

Courses at WCC generally require two to three hours of independent private study time for each hour in class. It is the student's responsibility to allocate the appropriate time needed for study in an environment conducive to quality study. The student must budget time efficiently and be realistic about all personal and professional commitments that consume time.

Students are expected to participate in all lecture activities and complete all course² assignments on time.

The student should do all of the recommended study guide activities and review all of

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the Internet resource materials provided.³

Students are recommended to establish study groups and study together. The students in these groups may test each other's knowledge and understanding of the information. They may also take turns teaching each other.

The student should ask the instructor to explain the things that the student does not understand.

All knowledge is not learned in one school so please utilize a variety of community resources Family, Friends, Acquaintances.

Requirements Satisfied by This Class:

May partially satisfy requirements for the University of Hawai'i Marine Option Program Certificate as a marine-related elective.

May partially satisfy subject certificate in Ahupua'a Systems: Indigenous Resource management and Food Production.

Serves the College's general education requirements as DB (biological science diversification requirement) and DY (natural science laboratory requirement).

LEARNING RESOURCES

All materials will be provided either accessible on Laulima or handed out.

Biology for NGSS: Student edition, 2016 (2nd edition). Suitability: HS-LS. ISBN: 978-1-927309-46-9. # Of pages: 368. NIMAS compliant: Yes

COVID Policy

- With COVID still persisting, placing everyone's safety first is the number one priority.
- If you have symptoms, feel ill, and/or have traveled off island get tested.
- If you are absent and miss class/assignments due to COVID let me know as soon as possible.
- Based upon the circumstances there will be help for those who are missing due to COVID.

DISABILITIES ACCOMMODATIONS

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If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Jodi A.-K. Asato can be reached at (808) 235-7472, wccdsso@hawaii.edu, or you may stop by Hale Kāko'o 105 for more information.

SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE

IX) Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of

all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Jojo Miller, Confidential Advocate

Phone: (808) 348-0663

Email: advocate@hawaii.edu

Office: Hale Kāko'o 110

Desrae Kahale, Mental Health Counselor & Confidential Resource

Phone: (808) 235-7393

Email: dkahale3@hawaii.edu

Office: Hale Kāko'o 101

Karen Cho, Title IX Coordinator

Phone: (808) 235-7404

Email: kcho@hawaii.edu

Office: Hale 'Ākoakoa 220

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

⁴For more information regarding sex discrimination and gender-based violence, the University's Title IX resources and the University's Policy, Interim EP 1.204, go to manoa.hawaii.edu/titleix/

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ACADEMIC INTEGRITY

Work submitted by a student must be the student's own work. The work of others should be explicitly marked, such as through use of quotes or summarizing with reference to the original author.

In this class, students who commit academic dishonesty, cheating or plagiarism will have the following consequence(s):

Students will receive a failing grade for plagiarized assignments.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

ALTERNATE CONTACT INFORMATION

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

- Location: Alaka'i 121
- Phone: (808) 235-7422

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