UNIVERSITY of HAWAI'I®
WINDWARD
COMMUNITY COLLEGE

BIOLOGY 172: Introduction to Biology II

3 Credits (CRN 61167)
Online Asynchronous

INSTRUCTOR: Megan Onuma

OFFICE: (virtual) https://hawaii.zoom.us/j/5826331360

OFFICE HOURS: Tu/Fri 10am-11am

EMAIL: monuma@hawaii.edu

EFFECTIVE DATE: Spring 2022

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.

CATALOG DESCRIPTION

Continuation of BIOL 171. Topics include: Origin of eukaryotic organisms, their general characteristics, life cycles, systematics and evolution; Anatomy, physiology and classification of higher plants; Anatomy, physiology, behavior and classification of animals; and Basic ecological principles. Prerequisite: Credit for BIOL 171

Recommended Preparation: Concurrent enrollment in BIOL 172L DB

STUDENT LEARNING OUTCOMES

After successfully completing this course, students will be able to:

1. Contrast the general characteristics, life cycles, evolution and systematics of eukaryotic organisms.
2. Describe the detailed biology of higher plants.
3. Describe the detailed biology of animals.
4. Explain how interacting environmental factors (physical, chemical and biological) determine the distribution and abundance of living things.

COURSE TASKS

In order to excel in this course, students are expected to:

1. Watch the lecture videos each week, taking notes.
2. Read the Openstax Textbook, to clarify any points of confusion in the lectures.
3. Review their past lecture notes, particularly vocabulary definitions and difficult topics.

4. Complete all homework assignments, formal assessments, and guided learning activities according to the instructions given.
5. Communicate with the instructor via email or during office hours to cover confusing material, or to get general help with the course.

The study of biology is complex and vocabulary-heavy. This course will require between 4-8 hours per week, depending partly on the student's background. Students with a background in chemistry and/or mathematics may have an easier time understanding some of the concepts introduced in this course; however, all efforts will be made to assist students regardless of their starting level of knowledge.

This course will be taught as an asynchronous online class, meaning that lectures and all other materials may be read and viewed according to the student's schedule. Each week on Monday (at the latest), the new week's content will be available. Most homework assignments will be due on Sunday evening, unless otherwise noted.

ASSESSMENT TASKS AND GRADING

Student learning will be formally assessed in the following ways. These will make up the final course grade.

Tasks and how they are weighted

Homework Quizzes = 30%

Guided Activities = 30%

Formal Assessments = 30%

Perusall Readings = 10%

You will receive a letter grade based on the following scale:

Letter Grades and Percentage Ranges

A = 90-100%; B = 80-89.9%; C = 70-79.9%; D = 60-69.9%; F = 0-59.9%

Homework Quizzes

Most weeks, a 20-point homework assignment will be posted on Laulima. Students have one week to complete each homework assignment. Each homework can be submitted up to three times: after each submission, you'll be given a summary of which questions were answered incorrectly. Students are encouraged to review and revise incorrect answers before re-submitting the assignment.

Guided Activities

Some weeks, students will complete online simulations, virtual lab activities, interactive web-forms, and other educational activities in order to reinforce the concepts learned in lectures. These activities may be accompanied by a short quiz or written response to ensure completion and understanding of the activity.

Perusall Readings:

Perusall is a social annotation tool that allows students to read texts collaboratively. Students will read 2-4 textbook passages, online documents, and/or scientific articles assigned by the instructor. Perusall records the time spent reading the article, allows students to type comments directly onto the text, reply to comments made by their classmates, and automatically assigns a grade to students based on a combination of these factors.

Formal Assessments/Exams

Due to the uncertainty created by Covid-19, this course will have 2-4 formal assessments through the semester (with some flexibility as to the nature of these assessments). These formal assessments may take the form of multiple choice / fill-in-the-blank questions, short answer questions, compare/contrast questions that ask students to complete a table, or a creative project to demonstrate their learning. These formal assessments will primarily serve to assess the Student Learning Outcomes (SLOs).

REQUIRED LEARNING RESOURCES

Textbook: Openstax Biology 2e (second edition, 2018). Senior Contributing Authors: Mary Ann Clark, Jung Choi, Matthew Douglas. Available for free online at: https://openstax.org

Computer and internet access: You will need access to a computer (not a phone) with high-speed internet connection in order to view videos and other resources in this course. Be aware that an iPad or a tablet may not always be compatible with the programs that we use.

Software:

You will need to routinely access our Laulima course site. Please plan on visiting this site at least three times per week. The best internet browser for Laulima is Mozilla Firefox and the worst internet browser is Internet Explorer.

You will need to routinely check your UH Gmail account, to communicate with your instructor. Please plan to check your UH Gmail at least three times per week.

This course will use several programs and websites that can be accessed through an internet browser but are also available as apps for your convenience. These include Zoom, FlipGrid, Padlet, and others.

There may be other (free) apps or simulations required for this class, but the instructor will give you advanced notice and instructions on how to access them. No paid apps, subscriptions, or simulations will be required.

LATE WORK AND EMERGENCIES

Students can submit a maximum of two assignments late, so long as the student emails the instructor within one week of the assignment deadline. This can be applied to homework quizzes or guided activities, but not to Perusall readings or formal assessments. Missing the formal assessments will result in a zero grade for these assignments.

Emergency situations are an exception to the late work policy. If emergency circumstances (accident, illness, personal emergency, death in the family, etc.) come up during the semester, please email the instructor as soon as possible so that arrangements can be worked out on a case-by-case basis.

COURSE POLICIES AND CONTACT INFO

- This course requires regular interaction with the Laulima website, videos, interactive simulations, the instructor, and classmates. Especially in this online format, students must take responsibility for their own learning which includes checking the Laulima website regularly (at least three times per week) in order to be successful in this course.
- Students will be respectful in all forms of communication with their classmates and the instructor (discussion forums, emails, peer-interaction activities, etc). Bullying, harassment, and any similar behaviors that disrupt the learning environment for others will result in warnings, grade deductions, and reports to applicable administrators/authorities, depending on the nature and severity of the situation and the pattern of behavior.
- Please feel free to contact me with questions or concerns via email (monuma@hawaii.edu). I generally respond within 3 hours during weekday working hours. On evenings or weekends, I usually respond by the next workday.

DISABILITIES ACCOMMODATIONS

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. Roy Inouye can be reached at (808) 235-7448, royinouy@hawaii.edu, or you may stop by Hale Kākoʻo 106 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 Kākoʻo 110

Desrae Kahale, Mental Health Counselor & Confidential Resource
Phone: (808) 235-7393
Email: dkahale3@hawaii.edu

Office: Hale Kākoʻo 101

Karla K. Silva-Park, Title IX Coordinator
Phone: (808) 235-7468
Email: karlas@hawaii.edu
Office: Hale ʻĀkoakoa 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.

For 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/

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: Alakaʻi 121
- Phone: (808) 235-7422