



UNIVERSITY of HAWAII*
WINDWARD
COMMUNITY COLLEGE

BIOL 172L: Introduction to Biology II Lab

1 Credit (CRN 61304 or 61387)

asynchronous online

Spring 2021

Instructor Information

Instructor: Anuschka Faucci, Ph.D.

Email: anuschka@hawaii.edu

Virtual Office: by appointment via zoom

Emails received after 4pm on Fridays will be answered the following Monday. Otherwise they will be answered within 24hrs.

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

Laboratory to accompany BIOL 172.

Prerequisite: Credit for or registration in BIOL 172.

Recommended Preparation: High school biology and college level reading and writing skills.

Student Learning Outcomes

As a result of taking this course, students can expect to attain the following outcomes:

1. Use the scientific method of inquiry to investigate biological phenomena.
2. Apply the concepts learned in BIOL 172 to an experimental and hands-on observational setting.
3. Collect, reduce, and interpret biological data.
4. Prepare written objective reports describing and interpreting experimental and observational results.
5. Apply standard analytical procedures for the comparative study of plants and animals, such as the handling of living and preserved materials for study, dissection procedures, preparation of materials for microscopic examination, and use of dichotomous key.
6. Identify the diagnostic anatomical features of organisms representing major groups of plants and animals.
7. Identify the major systematic groups to which specimens of plants and animals belong.

Course Tasks and Grading

Student learning will be formally assessed in the following ways:

Course Tasks	Possible Points
12 Weekly Lab Quizzes (25 pts. each)	300
12 Weekly Lab Notebooks (25 pts. each)	300
3 Lab Reports (60 pts. each)	180
Introduction on Padlet (<i>Extra Points</i>)	20
Class Project Idea	20
Class Project Draft 1 (30 pts) & Peer Comments (20 pts)	50
Class Project	100
Total Points	950 (+20)

Grades will be assigned as follows:

- A = 855-950
- B = 760-854
- C = 665-759
- D = 570-664
- F = 0-569

W = Official withdrawal from the course after the third week and prior to the end of the 10th week of classes (see catalog).

Students involved in academic dishonesty or repeated unsafe behavior will receive an "F" grade for the course.

Online Access

This is an **asynchronous online course**. Students **MUST** have access to a computer, the Internet, and use their **UH hawaii.edu email account** to participate in this course. All course material, quizzes and homework assignments will be posted on **Laulima** (laulima.hawaii.edu); therefore, access to this site is required. If you know ahead of time that you will need more time to complete an assignment, please email me before the due date. You are expected to begin the assignments early so that you may retry them before the due date if you run into any technology-related issues. If the issues persist, please contact me via email before the due date.

Make-up and Extension Policy

There will be no make-up quizzes, lab notebook submissions, assignments, etc. given unless approved in advance. If you know that you will be unable to complete a lab, you are asked to email me before the lab week. Please note that I will only give extensions for extenuating circumstances; this means any unforeseen illness, hospitalization, or death in the family. Dance recitals, friends visiting, or forgetting that you had a lab to attend, are not valid reasons for an extension.

Lab Quizzes (Q)

Quizzes will be available via Lulima (under the Quizzes tab). **Quizzes are due at the end of that lab week (Sundays 11:55pm)**. Because answers to questions will be revealed after the quiz availability period ends, there will be no extension of a quiz. If you have a valid reason, you will be given a separate quiz to complete so long as you request the make-up quiz within one week of completing the lab.

The quizzes are open book and may be taken from any computer. **They are timed so please be sure to review the lab material before opening the quiz.** You will be quizzed on the structures identified during lab along with the background information in the lab so please review the structures, as you will not have time to look them up during the quiz.

Lab Notebook (N)

You will be required to keep a **virtual lab notebook** for BIOL 172L. Each week you will upload a Word or PDF document of your lab notebook in the **Assignments section of Lulima**. Please do not wait until the last minute to upload your assignment on Lulima, as technology/server issues will not be considered valid reasons for late assignments and you will be subject to a late penalty of 20% per day for up to 4 days after the due date.

Each lab notebook submission should include purpose, question/hypothesis, predictions, methods, results, a brief conclusion and personal reflection. Lab activities often include drawings, which you can do either on your computer or on paper. The drawings must be your original work and include proper figure captions. Your notebook will be graded based on completeness, information provided, and organization. I will provide a detailed breakdown of the information that should be included in each lab notebook assignment in your weekly lab Lesson on Lulima.

Lab Reports (R)

The goal of this exercise is to learn writing scientific reports. Please submit all lab reports in the **Assignments section of Lulima**. Please do not wait until the last minute to upload your assignment on Lulima, as technology/server issues will not be considered valid reasons for late assignments and you will be subject to a late penalty of 20% per day for up to 4 days after the due date.

Please follow proper scientific reporting format (Introduction, Materials and Methods, Results, Discussion, and References as appropriate) for all lab reports. A review of scientific formatting will be provided on Lulima.

Class Project (P)

The purpose of this assignment is to gain a deeper understanding about a specific organism and try to present that information in a way that would appeal to a wider audience. Each student will choose a specific organism, the format the information is presented in (infographic, video, blog, etc.) and the audience this information is meant for. Students will present their project drafts to their peers and comment on these drafts on **Padlet**. The Final Projects are due on **Padlet** at the end of the semester. Details and rubrics will be available on Lulima.

Course Schedule (tentative and subject to change)

Week & Lab	Date	Topic	Due
1	Jan 11-17	Introduction, Review Tree of Life & Taxonomy	Quizz (Q) 1, Notebook (N) 1, Introduction
2	Jan 18-24	Fungi	Q2, N2
3	Jan 25- 31	Plants 1	Q3, N3
4	Feb 1-7	Plants 2	Q4, N4, Project (P) Idea
5	Feb 8-14	Ahupua'a, Terrestrial Habitat Report	Report (R) 1
6	Feb 15-21	Algae & Intertidal Habitat	Q5, N5
7	Feb 22-28	Porifera & Cnidaria	Q6, N6
8	Mar 1-7	Worms	Q7, N7, P Draft
9	Mar 8-14	Arthropods	Q8, N8
10	Mar 15-21	Spring Break	
11	Mar 22-28	Molluscs	Q9, N9, P Comments
12	Mar 29-Apr 4	Echinoderms	Q10, N10
13	Apr 5-11	Marine Habitat Report	R2
14	Apr 12-18	Frogs	Q11, N11
15	Apr 19-25	Birds	Q12, N12
16	Apr 26-May 2	Ecological Footprint Report	R3
17	May 3-5	Class Project	P Final

Learning Resources

- All course materials are available on **Laulima**
- Please check your **UH webmail account** (___@hawaii.edu) frequently, as I often send announcements via email.
- **Textbook: Biology 2e** (not required) by OpenStax. Creative Commons. [Free copy here.](#)
- The [Windward Community College Writing Center](#)

Student Responsibilities and Expectations

As a student of Biol 172 Lab, you are expected to:

1. View material (videos, lab handouts, etc.) posted on Laulima before completing each lab.
2. Complete quiz assignments on Laulima each week.
3. Follow proper laboratory policies and procedures at home and in the field.
4. Record lab methods, results, and observations in your lab notebook.
5. Submit completed lab notebooks and lab reports on Laulima each week.
6. Be responsible for your own learning: check your UH email account and Laulima account several times per week, contact the instructor or a classmate when you have questions, thoroughly go over the material and the textbook when you encounter a confusing topic, and generally take responsibility for your actions in relation to this class.
7. Use proper netiquette practices. Netiquette is defined as Internet etiquette and it can be applied to almost every form of online communication, email, forum discussions, web conferences (e.g. Zoom, Google Meet), and social media. Student Netiquette [quick guide \(accessible version\)](#).

MySuccess: Students may be referred for extra help or advising through [MySuccess](#). Students can also explore [MySuccess resources online](#)

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 Disability Specialist 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:

- Kaahu Alo, Student Life Counselor & Designated Confidential Advocate for Students (*confidentiality is limited*)
Phone: (808) 235-7354 Email: kaahualo@hawaii.edu Office: Hale ʻĀkoakoa 232
- 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 "F" 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

Windward Community College is an equal opportunity, affirmative action institution.