



Spring 2019

Biology 172L: General Biology Lab II
 1 Credit (CRNs 60045 or 60221)
 Fri. 10:00am-12:45pm in 'Imiloa 106 or
 Fri. 1:30pm-4:15pm in 'Imiloa 106

INSTRUCTOR: Megan Onuma
 OFFICE: 'Imiloa 112B
 OFFICE HOURS: Tues/Thurs 10:30am-12:30pm (or email me to make an appointment)
 EMAIL: monuma@hawaii.edu

CATALOG DESCRIPTION

Laboratory to accompany BIOL 172 (3 hours laboratory)
 Co-requisite: BIOL 172. Recommended Preparation: High school biology and college level reading and writing skills. DY .

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 the 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 keys.
 6. Identify the diagnostic anatomical features of organisms representing major groups of plants and animals.
 7. Identify the major systemic groups to which specimens of plants and animals belong.

COURSE TASKS AND GRADING

Student learning will be formally assessed in the following ways.

Tasks	Percentage
Lab attendance, preparation, and conduct*	15%
Pre-lab quizzes*	10%
Lab report 1 (written in subsections)	10%
Peer review process	5%
Lab report 2	20%
Lab practical exam	20%
Final Project and Presentation	20%
Total	100%

* Rubric will be posted on Lualima > Resources
 * Available on Lualima > Tests & Quizzes

Grades will be assigned as follows:

100% - 90% = A

89.9% - 80% = B

79.9% - 70% = C

69.9% - 60% = D

59% and under = F

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.

I try to make my grading policies fair-minded and lenient enough to allow for life's circumstances (car breaks down, student gets sick, etc.). Therefore, because I try to build in some buffer for these, **I generally do not make exceptions** beyond what is outlined in the policies below. However, if a medical, family, or personal emergency occurs during the semester and affects your ability to complete the class, please let me know.

Attendance and participation:

Class attendance is mandatory and makes up part of your final grade. Because laboratories involve considerable set-up/take-down time and supervision, students will **NOT** be able to make up missed laboratory activities. A student missing a scheduled laboratory activity because of an illness or legitimate emergency may be given an alternative activity to make up lost lab attendance points. In such a circumstance, the student is still responsible for the information presented during the missed laboratory session. Students may request to attend another section of the same lab class (morning and afternoon classes taught by the same instructor, see first page) if there is a time conflict for a specific week. Regardless of the reason, **a student missing more than two scheduled laboratory sessions will not receive credit for the course.** A rubric will be posted on Lulima indicating how students are graded each day on attendance, participation, and conduct.

Pre-lab quizzes:

The student will take pre-lab quizzes administered via Lulima before the laboratory meetings. These quizzes will test the student's knowledge of and preparation for the laboratory exercise planned for that day. In general, these quizzes will be posted on the Lulima site the Sunday prior to the lab meeting. For each student, the lowest pre-lab quiz grade will be dropped. If a student has completed all of the pre-lab quizzes, then the lowest pre-lab quiz grade will go towards extra credit. The quiz will close 20 minutes before the lab meeting. **No make-up quizzes for any absences (even resulting from legitimate illness) will be administered.**

Laboratory reports:

The student will complete two written lab reports. Each report must be completed, printed, and handed in at the beginning of lab on the due date. The production of laboratory summaries should be considered an individual student task. The sharing of data tables, graphs, or figures between students is considered a form of plagiarism and is inappropriate. **Late lab reports**

received within one week of the due date will receive a grade deduction. Lab reports will not be accepted if submitted more than one week following the due date.

Lab practicals:

Student learning will be assessed with lab practicals. The student will identify and answer questions about biological structures, organisms, and skills covered in the prior lab sessions. The lab practical will be completed without the use of lab handouts or any other reference material.

There are no make-up exams: students who are absent on the day of the lab practical will earn a zero for their grade.

LEARNING RESOURCES

Textbook (not required for the lab, but recommended): Campbell Biology, 11th edition. Published by Pearson, Authors: Urry, Cain, Wasserman, Minorsky, Reece. ISBN: 0134093410

Handouts and guides will be made available to students on Lulima.

The Windward Community College writing center: <https://windward.hawaii.edu/writing/>

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.

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. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu, or you may stop by Hale 'Ākoakoa 213 for more information.

TITLE IX

Title IX prohibits discrimination on the basis of sex in education programs and activities that receive federal financial assistance. Specifically, Title IX prohibits sex discrimination; sexual harassment and gender-based harassment, including harassment based on actual or perceived sex, gender, sexual orientation, gender identity, or gender expression; sexual assault; sexual exploitation; domestic violence; dating violence; and stalking. For more information regarding your rights under Title IX, please visit: https://windward.hawaii.edu/Title_IX/.

Windward Community College is committed to the pursuit of equal education. If you or someone you know has experienced sex discrimination or gender-based violence, Windward CC has resources to support you. To speak with someone confidentially, contact Karla Silva-Park, Mental Health Counselor, at 808-235- 7468 or karlas@hawaii.edu or Kaahu Alo, Designated Confidential Advocate for Students, at 808-235- 7354 or kaahualo@hawaii.edu. To make a formal report, contact the Title IX Coordinator at 808-235-7393 or wctix@hawaii.edu.

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.

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

Students can upload papers to <http://www.TurnItIn.com> to have papers checked for authenticity, highlighting where the paper potentially fails to appropriately reference sources.

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: Alakai 121

Phone: 808-235-7422

Email: wcaa@hawaii.edu