



UNIVERSITY of HAWAII\*  
**WINDWARD**  
COMMUNITY COLLEGE

Fall 2018

Biology 171: Introduction to Biology I  
3 Credits (CRN 64262)  
Tues/Thurs 1:00-2:15pm 'Imiloa 123

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

First semester of introductory biology for all life science majors. Topics include: Overview of the science of biology; Cell structure, chemistry, growth, and reproduction; Classical, chromosomal and molecular genetics; Evolution, phylogeny and systematics; and Biology and diversity of viruses and bacteria. (3 hours lecture)

Recommended Preparation: High school chemistry or college chemistry and registration in BIOL 171L.

### STUDENT LEARNING OUTCOMES

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

1. Develop and evaluate a scientific hypothesis.
2. Describe cell structure and function.
3. Describe how genetic characteristics are passed from generation to generation and how they are manifested into the characteristics of the whole organism.
4. Explain how the process of biological evolution influenced the history of life on our planet.
5. Classify living things into a hierarchical system of groups based upon morphology, genetics, and phylogeny.
6. Describe the characteristics, systematics, and biology of viruses and bacteria.

### Activities required at scheduled times other than class times:

All exams will be taken at a UH system testing center outside of class.

### COURSE TASKS AND GRADING

Student learning will be formally assessed in the following ways.

Tasks	Percentage
Class attendance and participation	10%
Weekly Laulima homework assignments	20%
First midterm exam*	20%
Second midterm exam*	20%
Final exam*	30%
Total	100%

\* Exams are taken outside of class time at a UH system testing center.

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

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. I allow each person three "freebie" absences. This means that your first three absences from class will not affect your attendance grade. Any absences thereafter will result in a grade deduction. Coming late or leaving early will be treated as a partial absence and the same rules apply.

Weekly Lulima homework:

Each week, a 20-point homework assignment will be posted on Lulima under "Tests and Quizzes". Students have one week to complete each homework assignment; **no late submissions will be accepted**. Each homework can be submitted twice: after the first submission, you'll be given a general summary of which questions or parts you got wrong, so that you can go back and study those parts to correct them. The higher score of the two submissions will be counted. At the end of the semester, each student's lowest homework assignment score will be dropped from the grading calculation. If the student has completed all of the homework assignments, the lowest score will be counted towards extra credit.

Exams:

Two midterm exams and a final exam will be taken on Lulima at a UH system testing center. Students have five business days (testing centers are open Mon-Fri) to complete the exam. **Make sure to look up the testing center's hours in advanced and go in early!** Students will be allowed one 3x5 inch notecard (handwritten or typewritten) during the exam. Due to the large amount of content covered over the course of the semester, students are highly encouraged to memorize concepts and vocabulary each week, rather than waiting until the week before the exam.

## LEARNING RESOURCES

Textbook: Campbell Biology, 11th edition. Published by Pearson, Authors: Urry, Cain, Wasserman, Minorsky, Reece. ISBN: 0134093410

## ADDITIONAL INFORMATION

As a student of Biol 171, you are expected to...

1. Attend class, take notes, and participate in class activities with a respectful demeanor.
2. Thoroughly study the weekly study sheet document (Lulima > Resources) using the textbook as a resource (eg: looking up and writing down definitions, making flashcards, etc.).
3. Review class slides and notes taken during class, using the textbook to clarify confusing

concepts.

4. Complete and submit the weekly homework on Lulima.
5. Look up the hours of and visit a UH system testing center for each exam.
6. Be responsible for your own learning, which includes contacting the instructor or a classmate when you have questions, thoroughly reading the textbook when you encounter a confusing topic, reading class announcements on Lulima, checking your UH email account, and generally taking responsibility for your actions in relation to this class.

#### **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](mailto: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/](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](mailto:karlas@hawaii.edu) or Kaahu Alo, Designated Confidential Advocate for Students, at 808-235- 7354 or [kaahualo@hawaii.edu](mailto:kaahualo@hawaii.edu). To make a formal report, contact the Title IX Coordinator at 808-235-7393 or [wccitix@hawaii.edu](mailto:wccitix@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.

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.

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

**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](mailto:wcaa@hawaii.edu)