

Biology 102 Spring 2022
Biological Experiences

Instructor: Michael Callahan
Class: TH 9:00am - 10:50am; 1:30pm - 3:20pm
Office: 150 Science
Phone: 780-4571
E-mail: michael.callahan@maine.edu
Office Hours: M 1-2; T 2-3
Mail Box: 105 Science

Required Text: *Biological Experiences Laboratory Manual*.

Attendance and Course Philosophy:

- * Attendance in this lab course is mandatory.
- * More than two **unexcused** absences will result in failing the course.
- * If you know in advance that you must miss a lab, please inform me ahead of time.
- * Homework assignments are due at the **beginning** of the lab period indicated below. No credit will be given for late homework.

Grading: A: 90-100; B: 80-89; C: 70-79; D: 60-69; F<60. Your final grade will be based on homework, quizzes, and the combination of attendance and class participation. Any time you have any questions about where you stand in the class, please ask me. There are no make-up quizzes and I don't drop quizzes.

**** There is no extra credit**

Incompletes: incompletes (I) are given rarely and only as a result of illness or some other unforeseen circumstance; any incomplete will have to be made up according to university guidelines. You must make arrangements with the instructor for an incomplete.

USM has two excellent offices that you should know about:

- Office of Academic Support for Students with Disabilities
If you need course adaptations or accommodations because of a disability, please contact the OSSD Office.
Rm 242 Luther Bonney, 780-4706 Voice Phone;
web site: www.usm.maine.edu/dsc
- Office of Campus Diversity & Equity
222 Deering Ave., 780-5094

web site: <http://www.usm.maine.edu/eeo>

Sexual Discrimination Reporting: the University of Southern Maine is committed to making the campuses safe places for students. If you tell a professor or staff member about an experience of sexual assault, sexual harassment, stalking, relationship abuse (dating and domestic violence), sexual misconduct or any form of gender discrimination involving members of the campus, the professor or staff member is required to report this information to the campus Title IX Coordinator Daryl McIlwain (207-780-5515) or Deputy Coordinator, Sarah Holmes (207-780-5767).

Bio 102 LAB SAFETY POLICIES

1. **Do not bring any food or beverages into this lab!** If you want to take a break and have a soda, go out in the hall.
2. If you are not sure what to do, ask me.
3. Pay attention to specific instructions given at the beginning of each lab.
4. Keep your work area clean - remove and rinse dirty glassware from your work area once you are finished with it. When using a microscope, be sure and leave your it as you found it- turn off the lights, wipe off the stage with a moist Kimwipe, wipe lenses with lens paper and lens cleaning solution when needed.
5. Be careful using sharp instruments.

BIOLOGY 102
LAB SCHEDULE
SPRING 2022

DATES	LAB SCHEDULE*
January 20	Introduction to the course
January 27	Virus lab (online)
February 3	Laboratory 1. The Scientific Method
February 10	Laboratory 2. Antibiotic Resistance and an Introduction to Pseudoscience. <u>Option 2, Exercise 1.</u>
February 17	Laboratory 2. Antibiotic Resistance and an Introduction to Pseudoscience. Examination of environmental swabs; <u>Option 1, homeopathic treatment</u>
February 24	Examination of last week's plates; Laboratory 13. Spread of Infectious Diseases; Quiz 1
March 3	Laboratory 3. Light Microscopy and Microorganisms
March 10	Laboratory 7. Human Genetics
March 17	No Lab: spring break
March 24	Laboratory 8. Meiosis and Genetics
March 31	Laboratory 9. Evolutionary Processes. <u>Exercise 1a Genetic drift (option 2); Quiz 2</u>
April 7	Laboratory 9. Evolutionary Processes (<u>Exercise 2 and 3</u>);
April 14	Laboratory 10. Population Genetics and Evolution
April 21	Laboratory 11. Biodiversity 1: Fungi to Animals
April 28	Laboratory 12. Biodiversity 2: plant diversity; Quiz 3

* schedule is subject to change by the instructor