

BIOL 315 - GENETICS
Syllabus, Fall 2017

Instructor: Dr. Barrie Robison <brobison@uidaho.edu> LSS 266B
Office hours: Tuesdays 11 to noon
Cell Phone: 509 432 3782 (no calling or texting after 9pm)

Teaching Assistants:

Sebastien Mortimer

COURSE WEBSITE: The materials for the course can be accessed through the University of Idaho BbLearn System.

COURSE PREREQUISITES: Biology 310 is a co-requisite for this course. Biol 115: Cells and the Evolution of Life is a prerequisite. You should have at least one semester of chemistry. If you do not have these prerequisites, you should see Dr. Robison immediately.

LEARNING OUTCOMES: In accordance with *UI Learning Outcomes*, it is expected that students will:

Learn & Integrate: Students will apply their previous training in biology to test genetic hypotheses.

Think & Create: Students will be able to apply the concepts and approaches learned in this course to their future academic and/or professional careers. A strong emphasis will be placed on independent learning and individual accountability.

Communicate: Students will be expected to effectively communicate genetic concepts and data in written and visual formats.

Clarify Purpose & Perspective: All students will take responsibility for their learning and practice self motivation and time management.

Practice Citizenship: Every student should be able to articulate basic genetic concepts to a lay person, in a manner that demonstrates how fundamental genetics is to our everyday lives.

TEXT: *None*

LABORATORY MANUAL: The materials for lab will be posted on BbLearn.

OTHER CLASS MATERIALS: *Lab Handouts* will be posted on the course website. The lab will provide access to the supplies and equipment necessary to test genetic hypotheses.

GENERAL CONSIDERATIONS:

Lab fees will not be refunded to students who drop the course after the second week of class.

PROJECTS: You will conduct a series of independent projects during the course of the semester. Projects will either be observational/descriptive studies, tests of hypotheses, or proposals. A list of possible projects and their attendant point values is provided on the course website. A "guide for authors" that describes the required format for your reports will also be posted.

ALL PROJECT REPORTS MUST BE SUBMITTED FOR GRADING BY DECEMBER 1st. We strongly encourage you to submit your reports as you complete them, rather than waiting until the last minute. As an enticement, any reports submitted in the month of September will automatically receive 10% of their maximum point value as bonus points. Any reports submitted in the month of October will automatically receive 5% of their maximum value as bonus points. You will be required to submit two introductory projects by September 16th.

You may revise two lab reports to improve your grade, as long as the revisions are turned in by December 5th.

ATTENDANCE: The lab will be staffed full time during the week. You may always come to lab during your regularly scheduled lab period. You may come to lab to perform your research at any time it is staffed. During scheduled lab periods, priority will be given to students registered for that lab period. Other times are available on a first-come first-served basis. We will not require attendance, but you must sign in and out of lab when you perform your research.

ACADEMIC HONESTY: All students are expected to uphold the highest standards of academic honesty. This includes but is not limited to: not cheating, not using the ideas of others without giving appropriate credit (including Wikipedia!), and not falsifying data. *To facilitate enforcement of University policies, we will ask that electronic versions of all reports be submitted along with printed versions.* Any incident of academic dishonesty will be handled according to the guidelines of the University of Idaho. ***Falsification of data will result in an automatic grade of "F" for the course.***

GRADING POLICY: Your grade will be based on a total of 1000 possible points. Your final grade will be the grade you earn - no deals, no plea bargains. The grading scale is standard: A (90 -100 %), B (89 - 80 %), C (79 - 70 %), D (69-60 %), F(below 60 %).