

Genetics for Life (Biology 233) Syllabus

Instructor: Dr. Rosemary Redfield, Dept. of Zoology, redfield@zoology.ubc.ca

Teaching Assistants: Regan Zhang (Tuesday tutorials rhzhang@brc.ubc.ca)
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Course Coordinator: Dr. Craig Berezowsky, Room 1505 Biological Sciences (home of the Genetics Help Office); craigber@mail.ubc.ca.

Prerequisites: UBC BIOL 112 and BIOL 121, or equivalents

Grading: 15% Tutorials (1.5% each for the best 10 of 11 module tutorials)
10% Peer-explain exercises (4 peer-explains, done in Calibrated Peer Review)
10% Graded quizzes: (1% each for the best 10 of 11)
20% Midterm (Oct. 29, 5:30 pm)
45% Final (Students must pass the sum of the midterm and final (total score $\geq 33/65$))

Lecture videos, Discussion Forums, Practice Quizzes: These are all provided as part of the Useful Genetics courses on edX. Please create an edX account and sign up for both Part 1 and Part 2 courses before the first week's tutorials (at: <https://www.edx.org/course/useful-genetics-part-1-how-genes-shape-ubcx-usegen-1x> and <https://www.edx.org/course/useful-genetics-part-2-genes-genetic-ubcx-usegen-2x>; choose 'Audit, not 'Verified Track'.) You may create your EdX account under a pseudonym if you wish, but you should tell your TA the pseudonym you're using.

UBC Connect: The graded quizzes will be provided on our Connect site. (You may also take the graded quizzes on Useful Genetics in edX, but you will not receive any credit for these.)

Peer-explain assignments: The course includes four 'Peer-explain' assignments, where students write short simple explanations of a genetics issue and then evaluate each other's submissions. These will be done using the Calibrated Peer Review system.

Textbook: There is no required textbook; most students find that the lecture videos easily take the place of a textbook. If you wish to purchase a new genetics textbook we recommend Introduction to Genetic Analysis 11th Ed by Griffiths *et al.*, since this will be used in BIOL 335. If you prefer a more economical book, used copies of recent editions of this or another textbook would be fine.

Tutorials: The weekly tutorials are compulsory. Grades are given for pre-tutorial and end-of-tutorial learning tasks. Tutorials start in the **first week of classes** (Sept. 8 and 10).

Midterm and final exam: All quizzes and exams are open book; students may bring any notes, books and other non-electronic resources. The midterm will be written (on paper) at 5:30 pm on Thursday Oct. 29, in Hugh Dempster Pavilion rm. 310. Students who miss this midterm for any reason will have the missing marks taken from their final exam score. The final exam will be held in the regular UBC exam period (so don't make holiday travel plans until the date has been finalized).

Getting help: Please use the Useful Genetics Discussion Forums on edX to get help with course material outside of tutorials. To ensure that sound advice is always available a dedicated TA (Ali McAfee) has been assigned to these forums, and former students are serving as Community TAs. Bring all administrative and tutorial-scheduling problems to Dr. Berezowsky. Please email Dr. Redfield for an appointment if you have a private issue to discuss with her.