

This syllabus is a general representation of the course as previously offered and is subject to change.

BIOL 548L – Advanced Topics in Biology: Visual and Oral Presentations

General Course Syllabus (as of May 2019)

About the Course:

Course description: Techniques for the visual display of biological data and for creating oral and poster research presentations.

Course format: Lecture

Credits: 1

Prerequisites: n/a; course restricted to graduate students

Course Learning Objectives:

By the end of this course, students should be able to:

- Create vector graphics of biological organisms that can be adapted for different perspectives and explanatory concepts.
- Generate refined data plots in R, and port these into a vector graphic editor for elimination, modification, and further refinement.
- Design posters with compelling graphics and minimal text while communicating scientific results with a strong narrative.
- Design a short research talk, suitable for a standard oral session, that uses graphical approaches to communicate the outline, questions, results, and significance.

Textbooks and Additional Resources:

No textbook; course information on Canvas

Evaluation:

Type of assessment	Value
Organism illustration	33.33%
Small poster	33.33%
Short presentation	33.33%

Schedule of Topics:

Activity	Topic
Lecture 1	Course intro; graphics and design in zoology
Lecture 2	Guiding principles for poster presentations
Demo 1	Data presentation using R
Demo 2	Organism illustration: demo and workshop
Lecture 3	Guiding principles for oral presentations
Lecture 4	Concept design and illustration
Poster Session	
Oral Session	

University Policies:

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence.

UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom.

UBC provides appropriate accommodation for students with disabilities and for religious, spiritual and cultural observances.

UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions.

Details of the policies and how to access support are available on [the UBC Senate website](#).