

MB511 Scientific Skills

Fall 2018 Mondays 5:00 – 6:20

404 Nash Hall (unless otherwise indicated)

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Course Objectives: Foundational skills for graduate students. Topics include requirements and considerations for success in advanced degree programs. Key components of successful presentations, effective literature searches, and management of available web-based literature resources. Keys to effective writing and reviewing.

Student Learning Outcomes: At the end of this class, students will be able to:

- **Apply** OSU graduate school and Microbiology Departmental requirements for forming their graduate committees, preparing for preliminary and final degree examinations.
- **Use** web-based literature search tools including citation maps
- **Construct** a library using an electronic reference program, and create a bibliography for publishing
- **Demonstrate** understanding of the key components of an effective presentation
- **Organize** and present data in an oral presentation
- **Demonstrate** understanding of key components of effective writing
- **Form** a supportive, positive, and engaged graduate student cohort

Resources: to be handed out in class or made available online

Assessment: Your grade will be based on attendance, participation, and completion of assignments

<u>Date</u>	<u>Topic</u>
September 24	Discussion of course outcomes and scheduling
October 1	The basics: requirements, committees, exams.
October 8	Writing: proposals, manuscripts, and reviewing
October 15	Communicating ideas - Presentations (Posters/Talks)
October 22	Submit draft proposal with in-text citations and bibliography formatted using Endnote or Zotero or Mendeley, Discussion on Graduate Student expectations.
October 29	Practice talks
November 5	Practice talks
November 12	Veterans Day – no class
November 19	Becky Vega-Thurber, Advance training continued (voluntary - with current grads)
November 26	Brief – 3 minute flash talks on research (one slide only)

Statement on Students with Disabilities:

Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at <http://ds.oregonstate.edu>. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

Expectations for Student Conduct:

The primary purpose of the Student Conduct Code is to establish community standards and procedures necessary to maintain and protect an environment conducive to learning, in keeping with the educational objectives of Oregon State University. This code is based on the assumption that all persons must treat one another with dignity and respect in order for scholarship to thrive. Students are also expected to follow the academic and professional standards of the academic units. Choosing to join the Oregon State University community obligates each member to a code of responsible behavior. Individuals and Student Organizations are expected to observe the policies, rules, and requirements of Oregon State University as well as laws of municipalities and counties, the State of Oregon, the United States of America and, when in another country, that country. Please refer to the link provided below for definitions, offenses, jurisdiction, sanctions and other descriptions of processes used for determination of improper conduct.

http://arcweb.sos.state.or.us/pages/rules/oars_500/oar_576/576_015.html