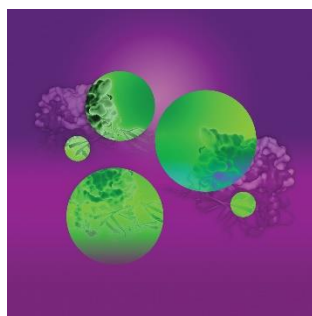


MICR 463: Trends In Microbiology

Second Semester 20 points



Course Overview

This paper facilitates self-directed learning of key research-related skills, including oral communication of research goals and data, review of the scientific literature and critical analysis of research publications. MICR 463 is a tutorial-based paper. The paper consists of five modules, with each module comprised of two tutorials. In the first tutorial an overview of the topic is considered. In the second tutorial the students take the major role, e.g. presentation of papers pertinent to the topic.

Module 1: Statistical applications in research

Dr. Xochitl Morgan

Module 2: Genome-wide RNAi screening to understand host-virus interactions

Dr Matloob Husain

Module 3: Principles of bacteriophage structure

Dr Minhea Bostina

Module 4: HIV mutation, resistance, and function

Professor Miguel Quiñones-Mateu

Module 5: Current topics in infectious disease

Dr Daniel Pletzer

Learning Outcomes

- Be able to demonstrate an in-depth understanding of topical issues in microbiology
- Develop skills in critically evaluating the scientific literature and in experimental design
- Develop communication and teamwork skills

Assessment

1. A 20-minute oral exam (25%), tentatively scheduled for Friday 16 October
2. A 3-hour final exam (75%)

Textbooks

MICR463 does not use a textbook. Course readings are reviews and original papers from the literature.

Teaching staff

- [Dr Xochitl Morgan \(Convenor\)](#)
- [Dr Matloob Husain](#)
- [Professor Miguel E. Quiñones-Mateu](#)
- [Dr Mihnea Bostina](#)
- Dr Daniel Pletzer

Workload expectations

An 20 point paper has a minimum expectation of 15 hours per week per paper (200 hours per

semester). This is made up of formal contact times (lectures, tutorials, laboratories etc.) and independent study (studying, revision, assignments, reading etc.).

Responsibilities of Students

- Students are responsible for making themselves aware of all University rules and regulations pertaining to their rights and responsibilities as students and to the degree in which they are enrolled.
- Students shall be deemed to have received any information:
 - provided in scheduled classes, regardless of attendance;
 - sent to their student email address;
 - made available via Blackboard or other University-approved learning management systems.
- Students are expected to be aware of all information related to a paper that is made available to them, and, in a timely manner, to raise with staff any questions or concerns relating to this information.
- Students are expected to be aware of, and to act in accordance with, the University's [Academic Integrity Policy](#).

Academic Integrity and Academic Misconduct

Academic integrity means being honest in your studying and assessments. It is the basis for ethical decision-making and behaviour in an academic context. Academic integrity is informed by the values of honesty, trust, responsibility, fairness, respect and courage. Students are expected to be aware of, and act in accordance with, the University's Academic Integrity Policy.

Academic Misconduct, such as plagiarism or cheating, is a breach of Academic Integrity and is taken very seriously by the University. Types of misconduct include plagiarism, copying, unauthorised collaboration, taking unauthorised material into a test or exam, impersonation, and assisting someone else's misconduct. A more extensive list of the types of academic misconduct and associated processes and penalties is available in the University's Student Academic Misconduct Procedures.

It is your responsibility to be aware of and use acceptable academic practices when completing your assessments. To access the information in the Academic Integrity Policy and learn more, please visit the University's Academic Integrity website at www.otago.ac.nz/study/academicintegrity or ask at the Student Learning Centre or Library. If you have any questions, ask your lecturer.

- Academic Integrity Policy (www.otago.ac.nz/administration/policies/otago/16838.html)
- Student Academic Misconduct Procedures (<http://www.otago.ac.nz/administration/policies/otago/16850.html>)

