

Microbiology 203 - Term 2 [1 credit]

Instructors:

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Required Text:

1. **Microbiology 353 Laboratory Manual** \$5
(sold by the Microbiology and Immunology Student Association)
 2. **Custom Package** sold by UBC bookstore
- “Techniques in Microbiology-A student handbook”** J. Lambert and
“Microbiology: A Photographic Atlas for the Laboratory” S. Alexander.

A. Course Objectives

The course is designed to:

- Familiarize students with microbiology lab techniques, procedures and equipment that are commonly employed in prokaryotic microbiology.
- Expose students to selected methods of evaluating and presenting scientific results.
- Areas covered include aseptic technique, isolation of microbes, staining, and identification as well as other methodology such as plasmid isolation, agarose gel electrophoresis and transformation of cells.

B. Course Requirements

- **1 hour tutorial** each Monday. Tutorial covers background information, laboratory protocols etc.
- **2 hour lab** each Monday. Schedule in Laboratory Manual.
There may be pre-laboratory assignments.

C. Student Evaluation

Lab Assignments/Reports	35%
Media/other assignments/quizzes	5%
Lab Notebooks	10%
Lab performance /Attendance	10%
Final Examination	40%

Attendance

There are 10 laboratories scheduled in the term. All laboratories are mandatory. Students who fail to complete 80% of the laboratories may not be given a passing grade. Laboratories cannot be made up.

Note: A student who does not attend a laboratory session must request permission to submit any corresponding written assignments.

Lab Assignments/Reports

These may consist of tables, calculations, short answer questions, summaries or formal reports. Students will be evaluated on data processing as well as presentation. Some reports may require some library research.

Lab Notebooks

All students will be required to keep records of all laboratory data in a bound notebook. Students should refer to page 5 of the Micb 203 Laboratory Manual for details.

Lab Performance

All students will be graded individually on their ability to perform in the laboratory. Although students are not assessed by a perfect performance, students will be evaluated on their preparedness, ability to execute labs independently, time on task as well as cleanliness and organization.

Final Examination

A written examination will be scheduled by the University in the scheduled examination period of April. Students are expected to be available throughout the entire exam period and cannot be accommodated for an earlier leave.

Students who do not attend 80% of the laboratories will not be permitted to write the final examination.

D. Policy on Submitted Work

Late assignments or lab reports will be deducted **5% per day**. Reports will only be accepted up to 7 days after the original due date.

All reports must be submitted in a professional, presentable manner (type-written where appropriate). Messy or illegible reports will not be accepted.