MLSCI 340 – Clinical Microbiology

Overview / General Information

The MLSCI 340 (Clinical Microbiology) course is a continuation of the theory and technique introduced in MLSCI 240 in Phase I. This Phase II course will provide the student with practical technical experience in both a clinical training lab setting and in a Microbiology laboratory. In addition, theory will be reviewed and examinations completed using both written and online formats. This theoretical review and technical training will prepare the student to write the CSMLS national certification examinations and for employment as a Medical Laboratory Technologist/Scientist after graduation.

Policy about course outlines can be found in Course Requirements, Evaluation Procedures and Grading of the University Calendar. [http://calendar.ualberta.ca/content.php?catoid=6&navoid=806#course-requirements,-evaluation-procedures-and-grading-a](http://calendar.ualberta.ca/content.php?catoid=6&navoid=806#course-requirements,-evaluation-procedures-and-grading-a)

The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at [www.governance.ualberta.ca](http://www.governance.ualberta.ca)) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

Audio or video recording, digital or otherwise, of lectures, labs, seminars or any other teaching environment by students is allowed only with the prior written consent of the instructor or as a part of an approved accommodation plan. Student or instructor content, digital or otherwise, created and/or used within the context of the course is to be used solely for personal study, and is not to be used or distributed for any other purpose without prior written consent from the content author(s).

Course Coordinator / Instructor (s)

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Course Learning Objectives

The student is required to review and expand their theoretical knowledge of microbiology and integrate this knowledge with the practical experience obtaining a subsequent satisfactory level of competence in technical skills.

Methods of instruction

Technical training will occur initially in the clinical training laboratory at egh (2c29) under the supervision of a microbiology instructor. This training will allow the student to re-familiarize themselves with microbiology techniques and gain some confidence before entering the "real world" – university of alberta hospital or dynalife dx microbiology laboratories.

Completion of Competency Based Objectives (CBOs) will occur during the 9 weeks of training in the clinical laboratory. The student will gain experience in microbiology procedures and will attain at least "minimal competence" as a technologist in training.
Theory review will occur during the Clinical Training Lab weeks 1 – 3 as well as during the Microbiology Department Lab weeks 4 – 9. It is the responsibility of the student to complete the independent online review of material (e-class powered by eClass / Moodle and TRACCESS) on their own time. The clinical site does not need to give any time to review the online material.

*IMPORTANT* - In order to successfully complete the course, the student must attain each of the following:

1. An overall final course mark of 60% or better
2. A mark of at least 60% on the final exam
3. An “Acceptable” level of competence on all CBOs

**Distribution of Marks**

- Direct Smear 5%
- CBO Exams 45%
- Online Application Exam 20%
- Final Exam 30%

If a student is absent from an examination, he/she must contact the instructor as soon as possible with regard to the circumstances and request an excused absence. Missed exams must be written at a later date as decided by the instructor. According to University policy the following are examples of unacceptable reasons for requesting an excused absence: vacations, weddings or travel arrangements. Instructors may request supporting documentation for an excused absence or can ask students to sign a Statutory Declaration to outline the reasons for the absence.

**Attendance**

Daily attendance is compulsory. If absences occur for any reason, you may be required to make up time. The decision to make up the lost time will be based on the judgment of the instructor and senior staff members of the Microbiology Department at your training site, and will vary according to the length of time and the nature of the particular training missed. Extension of the training time beyond the end of the clinical year, if necessary, will be dependent on availability of a training place, and will be at the convenience of the clinical site, not the student. Extension of the clinical year may mean postponement of entry into Phase III of the program.