MLSCI 475 – Clinical Immunology

Overview / General Information

MLSCI 475 covers topics related to basic immunology, immunologic diseases, and transplantation. The intent is for medical laboratory science students to review and expand their basic immunology, as well as learn about immunological disease states and transplantation. Clinical laboratory techniques relating to the various topics will be stressed throughout.

Policy about course outlines can be found in §23.4(2) of the University Calendar.

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) 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

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Course / Learning Objectives

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<td>A.</td>
<td>Apply principles of innate, humoral, and cell-mediated immunity to disease and transplantation</td>
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<td>B.</td>
<td>Describe principles of laboratory testing to:</td>
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<td>a. assess immune function</td>
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<td>b. diagnose and monitor immune-related disease</td>
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<td>c. assess transplantation (both pre and post)</td>
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<td>C.</td>
<td>Interpret laboratory data and clinical information and establish relationship between diagnosis, treatment, and outcomes.</td>
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Methods of Instruction

Material will be presented in lecture format by various guest lecturers. Learning activities and readings may be used to teach and reinforce concepts. Additional material and resources will be available on eClass (Moodle). Lecture notes may or may not be posted on eClass before or after class (depending on the lecturer). Students should check beforehand if they wish to print out materials, but should always come to class prepared to take notes if handouts are not available.
Distribution of Marks

- Assignment 10%
- 1st Midterm Exam 25%
- 2nd Midterm Exam 25%
- Final Exam 40%

30.3.2 Inappropriate Academic Behaviour

30.3.2(1) Plagiarism
No Student shall submit the words, ideas, images or data of another person as the Student’s own in any academic writing, essay, thesis, project, assignment, presentation or poster in a course or program of study.

30.3.2(2) Cheating

30.3.2(2) a No Student shall in the course of an examination or other similar activity, obtain or attempt to obtain information from another Student or other unauthorized source, give or attempt to give information to another Student, or use, attempt to use or possess for the purposes of use any unauthorized material.

30.3.2(2) b No Student shall represent or attempt to represent him or herself as another or have or attempt to have himself or herself represented by another in the taking of an examination, preparation of a paper or other similar activity. See also misrepresentation in 30.3.6 (4).

30.3.2(2) c No Student shall represent another’s substantial editorial or compositional assistance on an assignment as the Student’s own work.

30.3.2(2) d No Student shall submit in any course or program of study, without the written approval of the course Instructor, all or a substantial portion of any academic writing, essay, thesis, research report, project, assignment, presentation or poster for which credit has previously been obtained by the Student or which has been or is being submitted by the Student in another course or program of study in the University or elsewhere.

30.3.2(2) e No Student shall submit in any course or program of study any academic writing, essay, thesis, report, project, assignment, presentation or poster containing a statement of fact known by the Student to be false or a reference to a source the Student knows to contain fabricated claims (unless acknowledged by the Student), or a fabricated reference to a source.

30.3.2(3) Misuse of Confidential Materials
No Student shall procure, distribute, or receive any confidential academic material such as pending examinations, laboratory results or the contents thereof from any source without prior and express consent of the Instructor.

30.3.2(4) Research and Scholarship Misconduct
30.3.2(4) a No Student shall violate the University of Alberta Research and Scholarship Integrity Policy, as set out in § 96.2 of the GFC Policy Manual or any other University regulation concerning academic matters.

30.3.2(4) b Where a Student is charged with the academic offence of research and scholarship misconduct, the special requirements for communication and documentation imposed by § 96.2 of the GFC Policy Manual shall constitute part of the procedures outlined below.