MLSCI 360 – Clinical Chemistry

Overview / General Information

The Clinical Chemistry course MLSCI 360 is a nine-week course.

The first week of initial technical training will occur under the supervision of the course instructor in the student laboratory at the EGH. This initial training will serve to re-acquaint the student with basic, manual techniques and skills that they will need to carry forward with them as they enter the clinical sites in the Edmonton region. While some of these techniques may seem rudimentary, such as pipetting, they serve as a base point for technical growth.

The following weeks (two through eight) occur at clinical sites; each student has an individualized rotations schedule. Competency Based Objectives (CBOs) will be completed during the 7 weeks of training in the clinical laboratories. The student will gain experience in both manual and automated Chemistry procedures and will attain at least “minimal” competence as a technologist in training.

Throughout weeks two through eight there will also be three mandatory tutorials held at the ECHA; during tutorial sessions topic in clinical chemistry will be reviewed, and quizzes will be administered.

Prior to the final week of MLSCI 360 all CBO must be completed. Examinations will be held this week at ECHA.

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)

Karen Matejka
5-368 ECHA
Student Lab Office: 2C30 Edmonton General Hospital (during student lab weeks only)
780-492-2503
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Course Competencies

| A | Successfully demonstrate knowledge and comprehension of facts, principles and methods |
| B | Exhibit a strong reasoning ability; showing that they can apply theory to practice, analyze situations and evaluate them |
| C | Competently perform technical duties with precision and accuracy |
| D | Keep up with an average workload for the area while remaining organized (3.04, 3.06) |
| E | Perform their duties in a professional and ethical manner including: |
|   | • arriving to work early (9.03) |
|   | • demonstrating initiative |
• adhering to safety protocols (1.01-1.05, 6.01)
• following dress code (6.01)
• completing clerical checks correctly (2.07)
• adjusting to workflow and stressful situations (7.02)
• developing positive interpersonal communication skills (10.01, 10.02)
• properly using and caring for equipment in Clinical Chemistry; in the student lab and at the clinical sites (4.22)

Method of Instruction

• Urinalysis Practical Exam 5%
• Quizzes 30%
• Take Home Assignments (3) 10%
• Lab Math Exam 5%
• Practical Examination 15%
• Final Exam 30%
  o compulsory pass mark is 60%
• Instructor Evaluation 5%

Attendance

Daily attendance is compulsory! If absences occur for any reason, you may be required to make up the time missed. Time is not necessarily easy to make up during the rotation and may necessitate extension of the training program beyond the end of the clinical year to complete the rotation. The extension of training time is dependent on availability of a training site, and will be at the convenience of the clinical site. Extension of the clinical year may mean the postponement of entry into Phase 3 of the program.

Appointments must be scheduled outside of the clinical placement hours, unless it is a specialist appointment, so training time is not interfered with. If you need to book time off for an appointment, bereavement leave or jury duty you must discuss it first with the clinical instructor and have it pre-approved. (See the Orientation Manual).

If you are sick or arriving late, you must telephone the instructor’s office (492-2503) by 0745 h and leave a detailed message. If you are working an evening shift, and are sick or arriving late, you must still call the instructor’s office prior to the start of your evening shift. When you are working at the clinical sites, you must also phone the Chemistry laboratory and leave a detailed message according to the protocol for that site. Appropriate paperwork must also be completed.

If you are ill, for example, and need to leave your shift at the clinical site, you must notify the staff at the site, complete the appropriate paperwork, and call the instructor’s office.

Students will need to follow the following AHS protocol when they are working at the clinical sites as detailed below. (10.02.3)

Email policy (From the AHS Orientation Manual: Medical Laboratory Technology Clinical Training Edmonton Zone, 2016-2017.)

“Communications within the program are often done by email. It is the student’s responsibility to check their email on a daily basis and respond the same day. Failure to do so may result in a PIP being initiated”.
Student Call-In Procedure
Students must adhere to the following procedure to report any spontaneous absence OR lateness.

1. Call the appropriate clinical placement site and follow that site’s “Call in procedure”.
2. Phone the clinical instructor. If there is no answer you must leave a message.
3. For absences only, fill in a Schedule Change/Vacation/Leave of Absence form. This form can be found on TRACCESS or in your Appendix of the course outline.
4. Send the Schedule Change/Vacation/Leave of Absence form to your clinical instructor. You may bring it to the MLS Office in ECHA or scan and e-mail it to your clinical instructor.