



CAMOSUN

School of Health & Human Services
Continuing Education

MEDL 403V 001
Lab Safety Theory
Fall 2014

Course Outline

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Course Outline

This course includes the terms associated with control of microbiological populations; properties of microbes in the workplace; mechanisms of disease transmission; and methods of protection against and prevention of diseases (infection control).

Learning Outcomes

At the end of the course the student will be able to:

1. Describe the theory behind the principles of lab safety and infection control including;
 - Safe use of equipment in the lab
 - WHMIS overview
2. Demonstrate knowledge of requirements for transport of specimens (TDG)

Instructional Aids

- Overhead projector, handouts

References

- *Phlebotomy Essentials, McCall and Tankersley*
- Microbiology for the Health Sciences, 4th Edition, Gwen Burton
- Canadian Liver Foundation Educational Brochures - Hepatitis
- Vancouver Island Health Authority (VIHA) Infection Control Manual, 1996

Lesson Plan Infection Control

Outline/Learner's Objectives:

- Define the terms associated with the control of microbiological populations
- Discuss the properties of microbes in the workplace
- Discuss basic mechanisms of disease transmission
- Discuss methods of protection against and prevention of disease

Lesson Plan Laboratory Safety

- Discuss general safety in the laboratory (chemical, electrical and fire)
- Learn the elements of the WHMIS program
- Discuss the general procedures for disasters, injuries in the workplace, and exposures to biohazardous substances

Learner's Objectives:

- Learn about the general safety precautions in all laboratories
- Learn about the WHMIS program and how it is used in the laboratory
- Learn about the different classes of fires and how to respond appropriately
- Familiarize yourself with general disaster plans (internal and external)
- Learn how to report biohazardous exposures and workplace accidents

Instructional Aids

- Overhead projector
- WorkSafeBC booklets on safety and WHMIS

References

- Phlebotomy Essentials, McCall, Tankersley (5th Edition)
- Laboratory Safety, CSLT Guidelines, 4th edition, Gene Shematek, Wayne Wood
- WHMIS at Work, WorkSafeBC
- Island Health Department of Laboratory Medicine Safety Manual

Evaluation of Learning

Lab Safety Exam	40%	October 7
Infection Control Exam	40%	October 14
Lab Safety Assignment	20%	due October 14

Passing Grade

The passing grade for this course is 65 % (C+).

Grading System

Percentage	Grade	Description
90-100	A+	
85-89	A	
80-84	A-	
77-79	B+	
73-76	B	
70-72	B-	
65-69	C+	Minimum grade to successfully complete Med Lab Assistant theory courses.
60-64	C	
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.
0-49	F	Minimum level has not been achieved.

Important Notes

- Please arrive on time. The instructor will begin class on time.
- This course emphasizes experiential learning. Students are expected to attend all classes and to participate in class discussions and activities. Consistent attendance and participation is critical for success.
- The college provides many services to students; please contact the Registration department at either campus. Please note that not all services may apply to Continuing Education (CE) students. CE students are not contributing members of Camosun College Student Society (CCSS) and therefore do not pay CCSS fees or receive member benefits with their Photo ID.
- Please complete and submit the written assignment on the designated date at the beginning of the class. Marks will be deducted at 15% per day for a late assignment.
- It is your responsibility to obtain course material if absent from class.
- Please have pagers and cell phones on "mute" and leave room to return emergency phone calls.
- Please tidy up your area before you leave.
- All Camosun policies are available in PDF format at <http://camosun.ca/about/policies/> or in the current print credit calendar. Please refer to the section Academic Policies & Procedures for information on Student Conduct, Student Appeals, Standards of Academic Progress and more. Please note that not all policies apply to Continuing Education (CE) students. Please refer to the *Student Guide for Continuing Education* or the Medical Lab program <http://camosun.ca/learn/programs/medical-laboratory-assistant/> for more information.