

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

Outline

- 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
- Vancouver Island Health Authority (VIHA) Department of Laboratory Medicine Safety Manual

Evaluation of Learning

Lab Safety Exam	40%	October 8, 2015
Infection Control Exam	40%	October 20, 2015
Lab Safety Assignment	20%	due October 20, 2015

Passing Grade

The passing grade for Lab Safety Theory course is 65 % (C+).