

**MLAB 1101 - Introduction to Clinical Laboratory Science**  
**On-Line Course**  
**Unit #2 Laboratory Safety**  
**Learning Objectives**

1. List the direct and indirect modes of transmission for HIV and HBV.
2. Define the term "Standard (Universal) Precautions".
3. List and describe in detail the use of Standard (Universal) Precautions when dealing with people and biological hazards.
4. List the steps in the correct handwashing technique.
5. List and explain the use of Personal Protective Equipment (PPE).
6. Explain the process of disinfection and decontamination in the clinical laboratory.
7. Describe in detail the procedure to be followed in the event of blood or body fluid exposure.
8. Locate the post-exposure prophylactic protocol approved for use at Austin Community College.
9. Describe in detail the procedure to be followed in the safe disposal of biohazardous materials.
10. Detail the procedure for maintaining safety when handling chemicals commonly used in the clinical laboratory.
11. Demonstrate the proper storage and labeling of chemicals commonly used in the clinical laboratory.
12. Explain the ACC MLT Fire Safety protocol.