



LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
4. Evaluate validity of tests.	Laboratory Practice Assigned Readings Writing Assignments Case Studies	Practical Examinations Daily Laboratory Evaluations Laboratory Reports/ Discussion Questions
5. Operate common laboratory instruments and equipment.	Laboratory Practice Assigned Readings	Practical Examinations Daily Laboratory Evaluations
6. Prepare, handle and store reagents.	Laboratory Practice Assigned Readings	Practical Examinations Daily Laboratory Evaluations
7. Work safely and recognize the biohazards involved in laboratory work.	Laboratory Practice AV/Multimedia Materials	Practical Examinations Daily Laboratory Evaluations
8. Collect blood by venipuncture from a variety of patients.	Laboratory Demonstration/ Practice AV/Multimedia Materials Models/Mannequins and Manipulatives	Practical Examinations Daily Laboratory Evaluations
9. Demonstrate behaviors and attitudes consistent with those of laboratory professionals.	Laboratory Practice	Daily Laboratory Evaluations

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria*.

#### SEQUENCE OF TOPICS:

1. ABO Grouping – Tube Method
2. Rh Typing, Including Genotyping and Venipuncture
3. Indirect Antiglobulin Test (Screening) and Weak D Testing
4. Rh Immune Globulin Work-up, Fetal Screen Test
5. Phenotyping for Other Blood Group Systems
6. Indirect Antiglobulin Test (Panel), Direct Antiglobulin Test
7. Antibody Identification Panels
8. Compatibility Testing, Quality Control
9. ABO, Rh, Indirect Antiglobulin Test, Crossmatch, Antibody Identification Antigen Typing
10. Panels and Venipuncture

