SYLLABUS
PART I
EDISON COMMUNITY COLLEGE
MED 150S MEDICAL ASSISTING LABORATORY TECHNIQUES
3 CREDIT HOURS

COURSE DESCRIPTION
Introduction to basic medical laboratory techniques used by medical assistants. Provides instruction in standard precautions, specimen collection and processing, and diagnostic testing. Prerequisite: MED 120S. Lab fee.

COURSE GOALS

The student will:

Bloom's level		Program Outcomes
1	1. Identify hospital departments, lab departments and personnel.	2
4	2. Correlate knowledge of blood and body systems to lab area and tests, and relate this knowledge to general pathologic conditions.	3
5, 1-P	3. Anticipate and practice standard precautions and special infection control procedures while performing laboratory functions.	5
3	4. Demonstrate competence in specimen collection techniques and knowledge of collection equipment.	5
5	5. Comprehend quality assurance, appropriate requisitioning, specimen collection, processing, and transport, to maintain the integrity of samples until analysis.	4
2	6. Explain how to instruct patients in various specimen collections.	2
5	7. Adapt specimen collection techniques for different patients and assess patient safety needs.	6
3	8. Demonstrate competence performing and understand theory of diagnostic testing in the following areas: hematology, chemistry, immunology, urinalysis, and microbiology.	5, 7
3	9. Demonstrate competence in quality control and maintaining clinical equipment.	5
5	10. Evaluate and follow-up test results appropriately.	5, 7
5	11. Summarize arterial blood collection procedures and precautions.	5

CORE VALUES
The Core Values are a set of principles which guide in creating educational programs and environments at Edison. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce these Core Values whenever appropriate.

TOPIC OUTLINE
1. The laboratory and laboratory professionals
2. Lab safety/standard precautions/OSHA/MSDS/infection control techniques/nosocomial infections
3. Collection of microbiology specimens
4. Pre-analytical phase of testing

5. Venipuncture and capillary puncture techniques
6. Special precautions and legal considerations
7. Quality Control and Quality Assurance
8. Theory, procedure and documentation of CLIA-waived testing