

## SECTION I

SUBJECT AREA & COURSE NUMBER: Medical Assisting MED\*241

COURSE TITLE: Laboratory Principles for Medical Assisting II

### CATALOG COURSE DESCRIPTION

This course will give students a basic knowledge of serology and medical microbiology procedures. In addition students will expand their current skills in hematology, urinalysis and phlebotomy. Point-of-care testing concepts, procedures and documentation will also be covered.

LECTURE HOURS PER WEEK: 3            CREDIT HOURS: 3

PREREQUISITE: MED\*141, BIO\*115, CSA\*105, MED\*170, BOT\*180

## SECTION II

### A. SCOPE

Course content will include the following:

1. Advanced hematology procedures
2. Basic microbiology procedures
3. Basic serology
4. Advanced phlebotomy skills
5. Advanced respiratory testing
6. Point-of-care testing

### B. REQUIRED WORK

Reading assignments from the required textbook.

Reading handouts deemed necessary to assist in student learning.

Homework assignments from required student mastery workbook.

Entry-level course requirement competencies

### C. ATTENDANCE AND PARTICIPATION

Regular attendance and class participation are expected.

### D. METHODS OF INSTRUCTION

As determined by instructor, may include lecture and discussion, demonstration, audio-visual tapes, group practice, and patient simulation

**E. OBJECTIVES, OUTCOMES, and ASSESSMENT**

The following objectives and outcomes represent the department's core requirements for student achievement:

<b>LEARNING OBJECTIVES</b>	<b>LEARNING OUTCOMES</b>	<b>ASSESSMENT METHODS</b>
<b>To demonstrate an understanding of:</b>	<b>Student will:</b>	<b>As measured by:</b>
advanced hematology procedures	1.complete reading assignments 2.complete homework correctly 3.practice performing hematocrits and analyzing test results	1.passing grade on tests and/or quizzes 2.achievement of entry-level competency set by instructor
basic microbiology procedures	1.complete reading assignments 2.complete homework correctly 3.practice preparing a wet mount 4.practice wound collection procedure for testing	same as above
basic serology	1.complete reading assignments 2.complete homework correctly 3.practice performing a rapid strep test	same as above
advanced phlebotomy skills	1.complete reading assignments 2.complete homework correctly 3.practice performing a butterfly winged infusion set collection procedure	same as above
advanced respiratory testing	1.complete reading assignments 2.complete homework correctly 3.practice performing spirometry with use of analyzer	same as above
point-of-care testing	1.complete reading assignments 2.complete homework correctly 3.practice performing a glucose analysis using a POCT instrument 4.practice performing a cholesterol analysis using a POCT instrument	same as above

**F. REQUIRED TEXTS AND SUPPLIES:**

The following texts are appropriate:

Clinical Procedures for Medical Assistants, Bonewit-West, 7<sup>th</sup> Edition

Clinical Procedures for Medical Assistants Study Guide, Bonewit-West, 7<sup>th</sup> Edition

**G. REQUIRED INFORMATION TECHNOLOGY:**

None Needed