

CLASS NUMBER AND NAME: MD 166C PHLEBOTOMY AND URINALYSIS SKILLS  
LAB B

TOTAL HOURS/UNITS: 25 HOURS 1.0 UNIT

PREREQUISITES: Completion or concurrent enrollment in MD 166A -  
Phlebotomy and Urinalysis.

TEXTS AND MATERIALS: *LWW's Comprehensive Medical Assisting*, (Text and Study  
Guide), Second Edition, Molle, Kronenberger, Southard  
Durham, and West-Stack, 2005

Study guides (provided by instructor)

CLASS DESCRIPTION: The lab class is used to practice and demonstrate the skills  
covered in MD166A including performing blood collection  
by venipuncture and properly assessing urinalysis.

CLASS OBJECTIVES: To provide the student with a basic understanding of the  
importance of using universal precautions in a clinical  
laboratory environment.

The student is introduced to safety precautions when  
drawing blood and collecting specimens.

Equipment needed for phlebotomy is demonstrated as well  
as methods of drawing blood.

The student will demonstrate the proper procedure of  
performing a specific gravity urine test.

The student will demonstrate a chemical urinalysis using a  
chemical reagent strip.

Use of the microscope and centrifuge for specimens will be  
performed.

CLASS FORMAT OVERVIEW: The class is a laboratory class with combination of  
demonstration by the instructor and student participation.  
The instructor will demonstrate skills and the students will  
practice under strict guidance by the instructor all blood

draws. Students will “check-off” on required skills.

Lab procedures are graded pass or fail; such procedures must be passed in order to successfully complete the course.

**METHODS OF INSTRUCTION:**

Demonstration by the instructor and supervising and assisting students practicing the skills. Instructor strictly supervises check-off and instructs student to the precautions necessary for invasive procedures using Universal precautions.

**CLASS ATTENDANCE:**

It is expected that each student will be in class when class begins. Should the student come in later than five minutes after class begins, he or she should be certain that the instructor has noted his or her presence in class. It will then be up to the instructor to decide if the student had arrived in time to be counted as present – the instructor’s decision will be final.

It will be the student’s responsibility to learn of any assignments given in class when absent.

Students out of uniform will be counted as absent.

80% attendance is mandatory.

90% or above is mandatory for those who are in a full program and qualify for the externship.

TESTING:

The student must satisfactorily complete all tests, exercises, and homework with a passing grade of 70% or better.

Only final test may have one retake if the score is below 70%. Upon earning a C or above on the final retake the grade will be record at 70% exactly. The retake will be schedule with the instructor. There are no other retakes per this course."

Lab procedures are graded PASS OR FAIL. Such procedures must be passed in order to successfully complete the course. Each student is required to successfully complete 15 draws out of a total 22 blood draws and not exceed 7 missed draws.

These include 4 vacutainer, 3 syringe, 2 butterfly, 4 tube-changes, 1 serum, and 1 plasma.

LATE TESTING:

A 10 PERCENT PENALTY WILL BE ISSUED FOR ALL LATE TESTS. If you are not present the day of the test and have not made arrangements with the instructor to take the test early, you will automatically be given the 10 percent penalty.  
(Late tests start with a "B")

GRADING POLICIES:

The final grade for this lab portion is completion of all required procedures to the satisfaction of the instructor:

ALL LAB TESTS MUST BE DEMONSTRATED TO 100% ACCURACY OF THE INSTRUCTOR ON FINAL CHECK-OFF AND ARE GRADED PASS OR FAIL.

IF A STUDENT FAILS TO TAKE A TEST OR COMPLETE REQUIRED PROCEDURES DURING THE MODULE, THE CLASS GRADE WILL BE LOWERED BY ONE LETTER GRADE.

ANTICIPATED LEARNING OUTCOMES:

Upon completing this course, the student will be able to:

Given proper equipment and within a reasonable amount of time (2 to 5 minutes unless specified otherwise):

1. Perform to 100% accuracy of the instructor, a final check-off of a venipuncture via a vacutainer (two tubes)

and chart procedure.

2. Perform venipuncture using syringe method and chart procedure to 100% accuracy of the instructor.
3. Separate plasma and serum from whole blood using proper tubes and procedure for each.
4. Explain, with 100% accuracy, instruction for the collection of a clean-catch urine specimen for male and female.
5. From a urine sample demonstrate and be able to properly:
  - Assess the color and turbidity.
  - Perform chemical assessment.
  - Prepare specimen for microscopic analysis.
6. Achieve a 100% on all practical final check-off performed in this course.
7. Completion of vitals due at the end of this course.