



CLASS NUMBER AND NAME:

MDN166B PHLEBOTOMY AND URINALYSIS  
SKILLS LAB A

TOTAL HOURS/UNITS:

24 HOURS

1.0 UNIT

PREREQUISITES:

Completion or concurrent enrollment in MDN166A -  
Phlebotomy and Urinalysis

TEXTS AND MATERIALS:

*Cengage's Comprehensive Medical Assisting;  
Administrative and Clinical competencies  
6<sup>th</sup> Edition, Lindh, Tamparo, Dahl, Morris & Correa  
2018 Text (ISBN 9781305964792) and Workbook (ISBN  
9781305964853)*

Study guides (provided by instructor), E-Library and internet

CLASS DESCRIPTION:

The lab class is used to practice and demonstrate the skills covered in MDN166A including performing blood collection by venipuncture and properly assessing urinalysis. Students will learn normal values for common tests and proper documentation. Urinalysis skills to include appearance, chemical analysis, and microscopic exam.

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:**

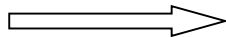
It is expected that each student will be in class when class begins. Should the student come in later than five minutes after class begins, he or she should be certain that the instructor has noted his or her presence in class. It will then be up to the instructor to decide if the student had arrived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

80% attendance is mandatory.  
90% or above is mandatory for those who are in a full program and qualify for the Internship.

**TESTING:**

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



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 attempted blood draws and not exceed 7 missed draws.

These include a minimum of: 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”) Late homework will receive 1% off the final grade per class period that it is late.

**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.**

Students out of uniform will be subject to the uniform contract grading policy and not be allowed to participate in clinical skills.

**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. Perform a rapid strep test.
5. Explain, with 100% accuracy, instruction for the collection of a clean-catch urine specimen for male and female.
6. From a urine sample demonstrate and be able to properly:
  - Assess the color and turbidity.
  - Measure specific gravity.
  - Perform chemical assessment.
  - Prepare specimen for microscopic analysis.
7. Complete a charting check-off to 100% accuracy.
8. Achieve a 100% on all practical final check-off performed in this course.

## Phlebotomy & Urinalysis

Week	Day 1		Day 2	
Week 1	Lab Safety OSHA Regulations	Venipuncture Videos	Tourniquet Usage	Manikin arm practice - syringe
Week 2	Manikin Practice	Live Blood Draws	Live Blood Draws	Vacutainer Demonstration
Week 3	Live Blood Draws	Lab /Skills	Urinalysis Demonstration	Blood Draws
Week 4	Blood Draws  Urinalysis	Blood Draws  Urinalysis	Blood Draws  Urinalysis	Blood Draws  Urinalysis
Week 5	Blood Draws  Urinalysis	Blood Draws  Urinalysis	Blood Draws  Urinalysis	Blood Draws  Urinalysis
Week 6	Skills Check offs	Skills Check offs	Skills Check offs	Skills Check offs

This is an approximate schedule and is subject to change at the instructor's discretion. The student is responsible for any missed information and handouts due to absence.

Homework includes familiarizing yourself with the Calendar and Syllabus, textbook reading assignments, and study guide homework plus reviewing skills videos at [www.empirestudent.com](http://www.empirestudent.com), as well as completing quiz reviews when appropriate to augment learning. Expect homework study time to vary but it will be at least two hours per week for every credit hour. The time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the materials and ¼ hour outside of class for each hour of structured lab time.