

**Course Outcomes Guide  
Spring 2014**

**Course/Program Title:** MAP 205 Diagnostic Procedures for the Medical Assistant

**Date:** 5/16/14 FA 2013 and SP 2014 Semesters

**Course/Program Team:** Melanie Rowland

**Expected Learning Outcomes:**

1. Identify and justify the importance of respecting cultural, religious, and age related values and beliefs.
2. Demonstrate clinical competency by achieving a minimum score of 80% for each required clinical competency.
3. Utilize all standard precautions and comply with all waste disposal requirements during the performance of CLIA waived tests.
4. Demonstrate ability to utilize appropriate oral, written, and electronic communication skills for patient care, documentation, and education.
5. Demonstrate ability to recognize and address normal and abnormal test results for physician notification per policy.
6. Employ knowledge of quality assurance requirements of CLIA waived testing including documentation and reporting.

**Assessment**

Course completion: Number passing at 75% or greater.

Course Outcomes: Common final exam for item analysis:

CO #1 Questions 19 & 28 (Non-English speaking; elderly)

CO #3 Questions 24 & 34 (Universal Precautions; MSDS sheets)

CO #4 Questions 15 & 17 (Documenting results; interpreting results)

CO #5 Questions 71, 81, & 97 (Abnormal EKG; Diabetic Testing; Cardiac Symptoms))

CO #6 Questions 10, 47 & 51 (Quality Control and Assurance)

Clinical Competencies: Number passing with an average score of 75% or greater.

## Validation

### Course Completion:

Completion of course with an average grade of 75% or greater.

### Course Outcomes:

75% of students will correctly answer final exam questions

75% of students will achieve an average score of 75% for clinical competencies

## Results

### Course Completion:

100% (24/24 students) completed course with a grade of 75% or greater

### Course Outcomes: Clinical Competencies (N=24)

100% (24/24 students) satisfactorily completed all laboratory competencies with a grade of 75% or greater

### Course Outcomes: Final Exam questions (N=24)

CO #1 Question 19 (Non-English speaking)	92% correct
CO #1 Question 28 (Elderly Pt)	100% correct
CO #3 Question 24 (Universal Precautions)	96% correct
CO #3 Question 34 (MSDS sheets)	75% correct
CO #4 Question 15 (Documenting results)	96% correct
CO #4 Question 17 (Interpreting results)	100% correct
CO #5 Question 71 (Abnormal EKG results)	86% correct
CO #5 Question 81 (Diabetic testing)	65% correct
CO #5 Question 97 (Cardiac Symptoms)	46% correct
CO #6 Question 10 (Quality Control & Assurance)	96% correct
CO #6 Question 47 (Quality Control & Assurance)	79% correct
CO #6 Question 51 (Quality Control & Assurance)	88% correct

## **Follow-up**

There has been a significant improvement in the students' ability to correctly process and answer critical thinking questions (33% increased to 65% and 19% increased to 46%) We will continue to utilize the Moodle Forum function to introduce critical thinking scenarios to students throughout the semester and to incorporate critical thinking scenarios with each chapter test and on homework assignments so the students can be better prepared for the final exam critical thinking questions 71, 81 and 97.

In addition, new Electronic Medical Record training software has been purchased and will be used in the clinical classes (MAP 205 & MAP 210) with critical thinking scenarios for further practice.