



## LABORATORY SKILLS II — MDAS 1223

### A. Course Description

- **Credits:** 4.00
- **Lecture Hours/Week:** 2.00
- **Lab Hours/Week:** 2.00
- **OJT Hours/Week:** 0
- **Prerequisites:**
  - MDAS 1125: Laboratory Skills I
- **Corequisites:** None
- **MnTC Goals:** None

This course builds on the basic skills learned in Laboratory Skills I and covers the basic laboratory testing done in many clinic labs. The student will participate in waived and moderately complex testing in the areas of chemistry, immunology, microbiology, hematology, coagulation, and urinalysis. The course will also cover electrocardiography as practiced in the clinic. The end of the course will simulate the operation of a clinic laboratory from specimen collection to result reporting of testing

### B. Course Effective Dates: 3/29/10 – Present

### C. Outline of Major Content Areas

As noted on course syllabus

### D. Learning Outcomes

1. Perform QC on auto urinalysis instrument I.P 10
2. The student will be able to describe common chemistry tests, relate them to disease states, and perform CLIA waived chemistry testing.
3. The student will be able to describe common pathogens, relate them to disease states, and perform CLIA waived microbiological testing
4. The student will be able to describe the immune system, apply immune principles to laboratory testing systems, and perform CLIA waived immunology testing.
5. The student will be able to identify parts of the urinary system, describe urine collection and common urinalysis testing, and perform CLIA waived urinalysis testing
6. The student will be able to identify the formed elements of the blood, coagulation factors, and perform CLIA waived hematology and coagulation testing.

7. The student will be able to perform ECG to specifications, recognize ECG artifacts, and solve artifacts problems.
8. The student will describe and use laboratory documentation; complete and interpret laboratory test reports.
9. The student will display professional conduct always in the laboratory and will be able to participate in a mock laboratory schedule.

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

**F. Learner Outcomes Assessment**

As noted on course syllabus

**G. Special Information**

None noted