

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. MDLT

COURSE NUMBER: 2360

NUMBER OF CREDITS: 1

Lecture: 1 Lab: 0 OJT: 0

### Course Title:

Capstone

### Catalog Description:

Capstone course will focus on further development of critical thinking and problem solving skills in all of the laboratory disciplines, as well as integration of laboratory analyses, interpretation and application. Activities include discussions, case study, interactive activities and assignments, focused reviews, and examinations. Mastery of content will be assessed through a comprehensive examination. Under the direction of faculty, students prepare a written case study and present their findings to laboratory professionals and classmates. Student will also develop resume and cover letter and discuss job interviewing.

### Prerequisites or Necessary Entry Skills/Knowledge:

None

### FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

### Topics to be Covered

Review of hematology, hemostasis, clinical microbiology, clinical chemistry, immunology, immunohematology, urinalysis, and body fluids

Researching, writing, and presentation of case study

Resume writing

Job interviewing

## Student Learning Outcomes

Demonstrate knowledge and competency in urinalysis, biological fluids, hematology, hemostasis, microbiology, chemistry, immunology, and immunohematology.

Research and present a case study.

Create a professional resume that highlights skills specific to medical laboratory technician.

Describe the purpose of interviews, how to prepare for interview, and the importance of self-presentation.

Identify and apply legal and ethical responsibilities associated with the clinical laboratory.

List laboratory regulatory agencies and describe the process of acquiring and maintaining certification.

**Is this course part of a transfer pathway: Yes  No**

*\*If yes, please list the competencies below*

Revised Date: 3/29/2022