Faculty is required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. Medical Laboratory Technician      COURSE NUMBER: MDLT 2360

NUMBER OF CREDITS: 1

COURSE TITLE: CLINICALS: Capstone

CATALOG DESCRIPTION:
This 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.

AUDIENCE: Medical Laboratory Technician students who are currently in their clinical experience courses.

FULFILLS MN TRANSFER CURRICULUM AREA(S) *(Leave blank if not applicable)*
Area: by meeting the following competencies:
Area: by meeting the following competencies:
Area: by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE:
ENGL1101, HC1290, HC1180, MDLT1100, BIOL1115, CHEM1150, MDLT1110, MDLT 1115, MDLT 1120, MDLT1125, MDLT 1105, MDLT 1130, MDLT 2106, MDLT 2110, MDLT 2120, MDLT 2102, 5 CREDITS OF HUMANITY OR SOCIAL/BEHAVIOR SCIENCE COURSE, MDLT 2320, MDLT 2330, MDLT 2340, AND MDLT 2350.

LENGTH OF COURSE: 45 hours

THIS COURSE IS USUALLY OFFERED:
Every other year fall spring summer X undetermined

Four goals are emphasized in course at Minnesota West Community & Technical College:
1) ACADEMIC CONTENT:
   a. The academic objectives of this course are to review all areas of the laboratory
   b. Preparation for national certification board exam
   c. Writing case study
   d. Writing resume

2) THINKING SKILLS: This course will help students improve the effectiveness of
   their thinking skills through
   a) further development of critical thinking and problem solving skills in all of the
      laboratory disciplines
   b) integration of laboratory analyses, interpretation and application

3) COMMUNICATIONS SKILLS: This course will help students improve their oral
   and written communication skills through:
   a) Demonstrating professional interpersonal, oral, and written communications skills
      sufficient to serve the needs of patients and the public including an awareness of
      how diversity may affect the communication process
   b) Preparation for job interviews

4) HUMAN DIVERSITY: This course will help students recognize, understand, and
   appreciate human diversity through:
   Demonstrating professional interpersonal, oral, and written communications skills
   sufficient to serve the needs of patients and the public including an awareness of how
   diversity may affect the communication process

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

LIST OF EXPECTED COURSE LEARNING OUTCOMES:

Course Learning Outcomes:
Upon completing the capstone, the student will:
1. demonstrate knowledge and competency in urinalysis, biological fluids, hematology,
   hemostasis, microbiology, chemistry, immunology, and immunohematology
2. be able to research and write a case study in the appropriate scientific style
3. be able to complete a professional resume, that highlights their skills, specific to medical laboratory technician
4. Understand the purpose of interviews, how to prepare for interview, and understand the importance of self-presentation
5. Understand legal and ethical responsibilities associated with the clinical laboratory
6. Understand laboratory regulatory agencies and the process of acquiring and maintain certification

LEARNING/TEACHING TECHNIQUES used in the course are:
☐ Collaborative Learning  ☐ Problem Solving
☐ Student Presentations  ☐ Interactive Lectures
☐ Creative Projects  ☐ Individual Coaching
☐ Lecture  ☐ Films/Videos/Slides
☐ Demonstrations  ☒ Other (describe below)
☐ Lab  On the Job Training

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
☐ Reading  ☒ Tests  ☐ Individual Projects
☐ Oral Presentations  ☐ Worksheets  ☐ Collaborative Projects
☐ Textbook Problems  ☐ Papers  ☐ Portfolio
☐ Group Problems  ☐ Term Paper
☐ Other (describe below)

Skills checklists/evaluation form
Affective Domain checklist/evaluation

EXPECTED STUDENT LEARNING OUTCOMES: This course will prepare the student for entry-level medical laboratory technician employment.

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

The information in this course outline is subject to revision.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.