Faculty members are 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  **Lecture:** 1  **Lab:**

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**Course Title:**
Capstone

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**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.

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**FULFILLS MN TRANSFER CURRICULUM AREA(S)**
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:

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**Prerequisites or Necessary Entry Skills/Knowledge:**

None
### 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

1. Demonstrate knowledge and competency in urinalysis, biological fluids, hematology, hemostasis, microbiology, chemistry, immunology, and immunohematology
2. Research and present a case study
3. Create a professional resume that highlights skills specific to medical laboratory technician
4. Describe the purpose of interviews, how to prepare for interview, and the importance of self-presentation
5. Identify and apply legal and ethical responsibilities associated with the clinical laboratory
6. List laboratory regulatory agencies and the describe the process of acquiring and maintaining certification

### Is this course part of a transfer pathway: Yes ☐ No ☒

Revised 02/2020