MELT 1640: Hematology

A. COURSE DESCRIPTION
   Credits: 5
   Lecture Hours/Week: 3
   Lab Hours/Week: 4
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   This course’s focus includes blood cells and hemostasis. Time is spent understanding the function of each cell and techniques used to enumerate blood cells. Students practice making and staining blood smears, along with evaluation and differentiation of the blood cells microscopically. Diseases and conditions that would result in abnormalities in laboratory results are also discussed. The anemias and stem cell disorders are studied in detail, including pathophysiology and laboratory diagnosis. The course also includes a study of the blood coagulation process, both theory and practical application. Operations of hematology and coagulation analyzers with interpretation of results are practiced.

B. COURSE EFFECTIVE DATES: 04/05/2024 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   None

D. LEARNING OUTCOMES (General)
   None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted