

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** MDL 225

**Credits:** 3

**Course Title:** Clinical Hematology II

**Course Description:** Teaches advanced study of blood to include coagulation, abnormal blood formation, and changes seen in various diseases. Prerequisite: MDL 125. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

**General Course Purpose:** This course is designed to develop further

**Major Topics to Be Included:**

- a. Thalassemias
- b. Anemias of blood loss
- c. Anemias of bone marrow failure
- d. Microcytic and hypochromic anemias
- e. Megaloblastic anemias
- f. Hemolytic anemias
- g. Red cell proliferative disorders
- h. Reactive white cell abnormalities

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- j. Lymphomas
- k. Plasma cell dyscrasias
- l. Congenital anomalies of leukocytes
- m. Coagulation
  - 1. Vascular system and vascular disorders
  - 2.