

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

**Course Prefix and Number:** MDL 216

**Credits:** 3

**Course Title:** Blood Banking

**Course Description:** Teaches fundamentals of blood grouping and typing, compatibility testing, antibody screening, component preparation, donor selection, and transfusion reactions and investigation. Prerequisite or Co-requisite: MDL 210. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

**General Course Purpose** 5 g0 612 0 go6BT/F4 11.020u792 hiepreW4(i)5(4 Tf1 0 BT/F4 )-4(an)d1 0 0 1 323.0



**Major Topics to Be Included:**

- a. Genetics
- b. Immunology
- c. ABO system
- d. Rh system
- e. Other blood group systems
- f. Compatibility testing
- g. Antibody identification
- h. Hemolytic disease of the newborn
- i. Transfusion reactions
- j. Blood donation
- k. Component preparation and storage

**Date Created/Updated** (Month, Day, and Year): January 24, 2019