

**SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
MEDICAL LABORATORY TECHNOLOGY
Revision Date: 11/2025**

I. CATALOG DESCRIPTION

Course Number: MEDT 1170
Course Title: Hematology 2
Prerequisites: MEDT 1160

Catalog Description: Study of disorders of hematology and hemostasis. Includes benign and malignant disorder of red blood cells, white blood cells, and platelets. Discussion of disease states involved in blood clotting. Skills and laboratory techniques corresponding to theoretical information presented in the lecture. Laboratory is concurrent with lecture.

Credit Hours: 4
Class Hours: 30
Lab Hours: 90
Total Contact Hours: 120

II. COURSE OBJECTIVES: *Course will:*

1. Describe the various forms of anemia.
2. Describe the various forms of other red blood cell disorders.
3. Describe the various forms of leukemia.
4. Describe the various forms of other white blood cell disorders.
5. Describe the various forms of platelet disorders.
6. Describe the various forms of blood clotting disorders.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

1. Distinguish between the various types of red blood cell disorders.
2. Identify the etiology, signs, symptoms, laboratory results, peripheral smear results, and expected outcome (prognosis) of each red blood cell disorder discussed.
3. Distinguish between the various types of white blood cell disorders.
4. Identify the etiology, signs, symptoms, laboratory results, peripheral smear results, and expected outcome (prognosis) of each white blood cell disorder discussed.
5. Distinguish between the various types of platelet disorders.
6. Identify the etiology, signs, symptoms, laboratory results, peripheral smear results, and expected outcome (prognosis) of each platelet disorder discussed.
7. Distinguish between the various types of clotting factor disorders.
8. Identify the etiology, signs, symptoms, laboratory results, peripheral smear results, and expected outcome (prognosis) of each clotting factor disorder discussed.

B. GENERAL EDUCATION LEARNING OUTCOMES

1. GELO #3: Critical Thinking & Problem Solving

Outcomes:

1. Collect, identify, interpret and analyze data.
4. Evaluate the validity of arguments, alternatives, data, outcomes, and/or impacts of actions.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

A. UNITS

1. RED CELL DISORDERS
2. WHITE CELL DISORDERS
3. PLATELET DISORDERS
4. FACTOR DISORDERS

V. INSTRUCTIONAL MATERIALS

A. Required text(s):

Turgeon, Mary L. *Clinical Hematology Theory & Procedures*. (current edition)

Carr, J. *Clinical Hematology Atlas*. (current edition)

B. Other Required Resources:

Packet of Handouts

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. In-person and recorded lectures and videos
2. In-person and recorded laboratory demonstrations and videos
3. Hands-on activities
4. Role play
5. Online resources
6. Guest presentations
7. Case studies

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of assignments, quizzes, exams, projects, laboratory competencies, etc. For grading expectations please see the course information document.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

A. ATTENDANCE

Attendance is crucial to the success of this course. The attendance policy can be found in

the MLT Student Handbook.

OTHER

Please see the Course Information Document for course policies related to grading, expectations, assignments, assessment, and participation.