SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
MEDICAL LABORATORY TECHNOLOGY
Revision Date: 9/2019
Syllabus Statements

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:	**4.0**
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.
2. 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

Required text(s):

Turgeon, Mary L. *Clinical Hematology Theory & Procedures. (*Most Current Edition)
Carr, J. *Clinical Hematology Atlas.* (Most Current Edition)

Other Required Resources:

Packet of Handouts

I. METHODS OF PRESENTATION/INSTRUCTION

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

1. Technology enhanced lecture/discussion
2. Group activities
3. Videos
4. Slides
5. Demonstrations
6. Lab exercises
7. Computer exercises
8. Video microscope

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination 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. GRADING

Lecture and laboratory must be passed with a 75% or higher. If either the Lecture Grade or Lab Grade is below 75% (C+), the student will receive the lower grade as the Grade for the course.

B. ATTENDANCE

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

Attendance for lecture is expected. Missing lecture will result in valuable information being missed and may have a negative effect on a student's grade in the course.

Attendance for laboratory sessions is required. The MLT attendance policy will be followed and applied in this course. Failure to attend laboratory sessions will have a negative effect on a student's grade in the course.

C. OTHER

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