



MLAB 1127 Coagulation

Course Syllabus: Fall 2022

“Northeast Texas Community College exists to provide responsible, exemplary learning opportunities.”

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	By Appt Zoom	1pm-4pm Office	9am-12 noon 1p-4p office	11p-12 noon Office	By Appt.	

The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

Catalog Course Description (include prerequisites): This course is a course in coagulation theory, procedures, and practical applications. Includes laboratory exercises, which rely on commonly performed manual and semi-automated methods. Also includes quality control, quality assurance, and safety.

Required Textbook(s):

F.A. Davis: Hematology in Practice, 3rd edition. Ciesla, Betty

Publisher: Pearson Education Publishers

ISBN Number:

ISBN-13: 978-0-8036-6824-9

Recommended Reading(s):

Textbook companion website: www.pearsonhighered.com/healthprofessionsresources

Additional readings provided by instructor

Student Learning Outcomes:

The primary goal of this course is to provide students with an understanding of the basic principles and clinical significance of coagulation testing. Students are also expected to learn how to perform basic coagulation tests. Upon completion of this course, the student should be able to do the following:

- Apply principles of safety, quality assurance and quality control in coagulation
- Evaluate specimen acceptability
- Compare and contrast coagulation processes under normal and abnormal human conditions
- Perform basic laboratory coagulation analysis
- Evaluate laboratory test results and correlate with patient condition(s)
- Demonstrate improvement in the affective traits, including organizational skills, work habits, attitude, interpersonal skills and problem-solving abilities.

Exemplary Educational Objectives:

N/A

SCANS Skills:

Resources - Identify reagents, supplies and equipment needed for each lab and organize laboratory procedure and organize laboratory procedures so that all reagents, supplies and equipment are used correctly.

Interpersonal - Recognize limitations of expertise and communicate with instructor when questions arise. Show respect for instructor and peers during class time.

Information - Apply information gained from lecture, laboratory and independent study to problem-solve results provided as case studies or unknowns during laboratory.

Systems - Apply critical thinking skills to problems encountered in the laboratory and theoretical case studies.

Technology - Achieve competency in routine coagulation procedures.

Lectures & Discussions:

Basic Quality Assurance-Pre-Analytical, Analytical, Post-Analytical

Primary Hemostasis

Secondary Hemostasis and Fibrinolysis

Evaluation of Hemostasis

Disorders of Primary Hemostasis

Disorders of Secondary Hemostasis

Thrombophilia

Evaluation/Grading Policy:

Exams 80%

Lab procedures/homework/case studies 20%

A= 90% above

B= 80-89%

C= 70-79%

D= 60-69%

F= less than 60%

A minimum grade of "C" is required **for BOTH** lecture/web and laboratory components of all Medical Laboratory Technology courses. Failure to meet this requirement will result in the dismissal from the program.

Tests/Exams:

Four exams over lecture and lab material

Assignments:

All assignments are due on the specified date. No late homework or any assignments will be accepted after the due date. A grade of zero will be given on any homework not turned in by the due date.

Other Course Requirements:

Laboratory activities and case studies provided by the instructor

Student Responsibilities/Expectations:

1. Students are expected to wear scrubs to all classes on campus as well as a lab coat (provided by program) for laboratory sessions. Close-toed shoes are to be worn for all laboratory sessions.
2. Attend all classes and labs, be on time and remain in class for the entire period.
3. Notify instructor by phone, email, or voicemail if unable to attend class / lab
4. Complete assigned readings before the assigned lecture or lab.
5. Be prepared to take notes and participate in class and laboratory.
6. Be respectful of instructors and classmates.
7. Cell phones must be placed in the box in the front of the classroom; if you have an emergent or urgent situation, please notify the instructor before class begins, and if necessary, step into the hall to take the call.
8. Laptops or tablets may be used for note-taking or research but do not abuse this privilege. They are not for personal use during class time.
9. Check NTCC email on a regular basis (and delete unnecessary mail) – important and/or updated information may sometimes be communicated to individuals or classes as a whole.

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

Academic Ethics

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College counselor to obtain a Request for Accommodations form.

An appointment can be made with Shannin Garrett, Academic Advisor/Coordinator of Special Populations located in the College Connection. She can be reached at 903-434-8218. For more information and to obtain a copy of the Request for Accommodations, please refer to the [NTCC website - Special Populations](#).

Family Educational Rights And Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the

student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Other Course Policies:

1. There will be no makeup for unannounced quizzes.
2. Laboratory activities may be made up *if possible*. Human body fluid specimens are often used for laboratory activities and may not be available for makeup sessions. All laboratory sessions missed will require a written assignment given by the instructor.
3. Late homework will not be accepted (exceptions are made for excused absences only).
4. The student is responsible for notifying the instructor and requesting makeup exams when they are unable to attend a regularly scheduled exam and must schedule the makeup WITHIN 2 DAYS of the absence. These will be scheduled for excused absences only. If the instructor is not notified by the end of the day of a scheduled exam, the student will receive a zero. Likewise, if the test is not made up within 2 days of returning from the absence, the student will receive a zero for the exam.
5. Excessive unexcused absences will result in loss of points from your grade. More than 2 absences will result in a reduction of 5 percentage points from your final grade.