MLAB - 135 - Advanced Hematology and Hemostasis

2025-2026 Course Proposal Form

Course Information

Please select which best fits this course proposal:*
- [ ] Course New/Reactivation Proposal
- [ ] Course Revision Proposal
- [ ] Course Retirement Proposal
- [x] Course Outcomes Revision Proposal

Department* Medical Laboratory Technology

IF proposing a new course type or prefix, please select "NEW Course Type or NEW Prefix" from the dropdown and input the requested data in the new text field that follows.

Course Type:* Allied Health Sciences

NEW Course Type:

NEW Prefix:

Prefix:* MLAB

Course Number:* 135

Course Title:* Advanced Hematology and Hemostasis

Credit(s):* 2

Course Description:* Topics include: Hematologic and cytochemical findings in anemias, leukemias and selected diseases; instrumentation; calculations; abnormal histogram and scattergram interpretation; basic theory in hemostasis and coagulation test procedures. College laboratory required with competency in hematology and coagulation procedures.

Lecture Hours:* 2

Laboratory Hours:* 3

Clinical Hours:* 0

Clinical Hours:* 0

Internship Hours:* 0

Prerequisite(s): MLAB 131 ,MLAB 132 , MLAB 133

Corequisite(s): MLAB 145

Pre / Corequisite(s): None

Required Materials* Refer to bookstore listings

Course Learning Outcomes:* Describe principles and procedures of tests performed in a clinical laboratory in the areas of Hematology and Coagulation.

2. Interpret normal and abnormal laboratory test results to their corresponding clinical significance in the areas of Hematology and Coagulation.

3. Apply decision-making problem-solving skills in the performance of laboratory tests in the areas of Hematology and Coagulation.

Student Learning Outcomes:* Interpret the CBC results produced on the Micros 60, including assessment of WBC, RBC, and platelet histograms.

General Education Outcomes:

Please select up to 2 from the list of the general education outcomes taught in this course.

Select up to 2 of the following:*

- [ ] Communicate effectively in oral and written formats
- [ ] Employ or utilize information access and literacy skills
- [x] Demonstrate problem-solving and critical thinking skills
- [x] Employ mathematical and science literacy skills
- [ ] Acquire a cultural, artistic and global perspective
- [ ] Demonstrate professional and human relations skills

Types of Formative Assessment:

Please select at least 3 formative assessment tools that are most appropriate to the course description and outcomes, regardless of modality. Formative assessment tools are learning activities or assessments that monitor and provide ongoing feedback on student learning. Formative assessments allow students to identify their strengths and weaknesses and for instructors to address student questions and misunderstandings

Select at least 3 of the following:*

- [ ] Practice Quizzes
- [ ] Paper Drafts
- [x] Class Discussions/Q&A
- [ ] Low-stakes Group Work
- [ ] Homework Assignment
- [ ] Surveys/Polls
- [x] Laboratory/Instrument Practice
- [ ] Written Reflections
- [ ] Self-appraisal using study guides, quiz software, interactive textbook
- [ ] Other

Types of Summative Assessment:

Please select at least 2 summative assessment tools that are most appropriate to the course description and outcomes, regardless of modality. Summative assessment tools are learning activities or assessments that evaluate student learning at the end of an instructional period, like a module, unit, or course. Summative assessments are formally graded and allow instructors to determine whether and to what extent students have met the course learning outcomes.

Select at least 2 of the following:*

- [x] Instructor-Created Exams/High-Stakes Quizzes
- [ ] Standardized Tests
- [ ] Laboratory Reports
- [ ] Final Projects
- [ ] Final Essays/Research Papers
- [ ] Final Presentations
- [ ] Final Reports
- [x] Internships/ Clinical Site Evaluations
- [ ] Other

Minimum Acceptable Standards* 77% required to pass the course.

Please answer the following questions related to your curriculum proposal:

Why are you recommending these changes? (courses outdated, recommendation of advisory committee, results of assessment activities and data, better attainment of program/course outcomes)

Justification:* Improve Bloom Taxonomy Identification

Last Semester Needed: N/A

Impact Report Statement

List all program(s) or course(s) affected by these changes. If no program(s) or course(s) are affected, please state "NA" below. Run an Impact Report by clicking in the top left corner and answer below according to the results.

Impact Report: N/A

What impact will these changes have on other courses or programs? (List impacted programs and comments or input you have gathered from other faculty, program directors, or Division Chairs)

Other Courses or Programs: No impact

What impact will these changes have on institutional resources? (Budget, faculty, equipment, labs, instructional design, etc.) Have you already discussed this impact with appropriate personnel (financial aid, administration, division chair, other faculty)?

Institutional Resources: No impact

What impact will these changes have on current students? How will you ensure that current students are not penalized by these changes?

Current Students: No impact

What impact will these changes have on transferability, national/regional association standards, etc.?

Transferability, National / Regional Association Standards, Etc.: No impact

What impact will these changes have on the institution's mission and student's achievement of general education outcomes/requirements?

Mission; General Education Outcomes / Requirements: No impact

Administrative Use Only

Please do <u>not</u> alter the information within this section.

Course OID:

Information or Voting Item:

- [x] Information Item (If the proposal does not impact other courses, select this option)
- [ ] Voting Item

Implementation Semester and Year* Fall 2025