

LABORATORY MEDICINE (LAB MED)

LAB MED 130.01 CIEEx - Introduction to Hematology and Hematopathology (1.5-3 Units) Fall, Winter, Spring, Summer

Instructor(s): Yi Xie
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students will gain experience in clinical laboratory hematology and hematopathology, including a variety of different blood disorders.

School: Medicine

Department: Laboratory Medicine

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

LAB MED 140.01 Principles of Laboratory Medicine (3 Units) Fall, Winter, Spring, Summer

Instructor(s): Zane Amenhotep, Alan Wu, Jeffrey Whitman
Prerequisite(s): Two years of medical school.

Restrictions: 3rd or 4th year Medical Student in good standing

Activities: Seminar, Clinical

Students will learn principles of laboratory medicine through clinical consultations, seminars, sign-out sessions and rounds with ZSFG Laboratory Medicine Faculty. This elective covers general principles of test selection, the testing process, quality practices, result interpretation and the importance of clinical correlation. Students will gain exposure to subspecialty areas, such as, clinical chemistry, toxicology, hematology, microbiology, immunology, serology and transfusion medicine.

School: Medicine

Department: Laboratory Medicine

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

LAB MED 140.05 Cellular Therapy (2-3 Units) Fall, Winter, Spring, Summer

Instructor(s): Elena Nedelcu, Gisela Marrero-Rivera
Prerequisite(s): No

Restrictions: No

Activities: Lecture, Project

This novel course is designed to introduce 3rd and 4th year medical students (Career Launch) to the cellular therapy field, including hematopoietic progenitor cells, CAR-T cell, regulatory T cell and other emerging cellular therapies.

School: Medicine

Department: Laboratory Medicine

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

LAB MED 140.06 Transfusion Medicine Elective (1.5-3 Units) Fall, Winter, Spring, Summer

Instructor(s): Sara Bakhtary, Elena Nedelcu, Gisela Marrero-Rivera
Prerequisite(s): NA

Restrictions: NA

Activities: Lecture, Clinical, Project

This novel Transfusion Medicine Elective is designed to prepare future physicians to understand the overall transfusion process, blood bank testing, blood products indications and contraindications, transfusion reactions and other transfusion-related topics with emphasis on achieving practical skills, including how to appropriately order blood products, and recognize and report transfusion reactions.

School: Medicine

Department: Laboratory Medicine

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? Yes

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

LAB MED 140.07 Hematology (3-6 Units) Fall, Winter, Spring, Summer

Instructor(s): Scott Kogan

Prerequisite(s): 4th year student in good Academic Standing

Restrictions: 4th year students

Activities: Clinical

Students participate in daily operations of the hematology laboratory, working with a resident on either the Bone Marrow or Heme-Coag rotations evaluating current case materials, attending daily signout rounds, and attending weekly teaching conferences.

School: Medicine

Department: Laboratory Medicine

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

LAB MED 140.08A Microbiology elective (3 Units) Fall, Winter, Spring, Summer

Instructor(s): Barbara Haller

Prerequisite(s): None

Restrictions: 3rd or 4th year medical student in good standing

Activities: Lab science

This two week course is designed to provide the medical student with a fundamental understanding of the principles and practices of Clinical Microbiology. Through direct observation of benchwork, weekly didactic sessions, teaching rounds, and other learning materials, the student will receive instruction in the following areas of Microbiology: Bacteriology, Mycobacteriology, Mycology, Parasitology, Infectious Disease Serology, Virology and Molecular Diagnostics.

School: Medicine

Department: Laboratory Medicine

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

LAB MED 198 Supervised Study (1-6 Units) Fall, Winter, Spring, Summer

Instructor(s): Zane Amenhotep

Prerequisite(s): Consent of instructor preceptor and approval of third- and fourth-year coordinator.

Restrictions: Medical students only

Activities: Independent Study, Project

Focused study and directed reading under supervision of a member of the faculty with the approval of the chairperson of the department.

School: Medicine

Department: Laboratory Medicine

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? Yes