**EMERGENCY MEDICINE (EMER MED)**

**EMER MED 699 — INDEPENDENT STUDY**
1-4 credits.

Offers undergraduates majoring in related fields an opportunity to participate in basic emergency medicine research. Assists in the preparation for graduate or medical school coursework. Enroll Info: None

Requisites: Consent of instructor
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2021

**EMER MED 909 — EMERGENCY MEDICINE INTERNSHIP PREP COURSE**
1 credit.

Designed to highlight, review, and allow practice of key concepts in Emergency Medicine. Practice with case simulation, case discussion, didactics, panel discussions, and procedural skills to prepare for success in the first few weeks of an Emergency Medicine residency. Will lead and participate in simulations. Explore critical interplay between medical care and communication. Discuss common challenges encountered early in residency and throughout an EM career, and develop individualized plans to address these challenges. Enroll Info: None

Requisites: MED SCI-M 810, 811, 812, 813, and EMER MED 961
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

**EMER MED 911 — INTRODUCTION TO PREHOSPITAL MEDICINE AND DETERMINANTS OF UTILIZATION OF THE PREHOSPITAL SYSTEM**
2 credits.

Provides a unique opportunity for fourth year medical students to gain experience in the prehospital system while utilizing their public health knowledge to determine factors that lead to patient utilization of this system. During this course, students will gain understanding of the prehospital system through first-hand experience with prehospital providers while appreciating the environment in which their patients live and work. Students will be asked to observe patient care, conduct posttransport interviews in the emergency department, and examine the social and environmental determinants that led to activation of the prehospital system. Enroll Info: None

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

**EMER MED 912 — GUATEMALA HEALTH ADVANCED ELECTIVE**
2 credits.

Builds on the skills students developed during the Guatemala Service Learning experience in their first-year. The Service Learning trip partners with the San Lucas Mission to provide traveling health clinics around the southern/eastern sides of Lake Atitlan. In this selective, students will take a leadership role in the Service Learning Trip. Course is intended for M4 or Phase 3 medical students who have participated in the Guatemala Service Learning Experience. Students should have intermediate Spanish-language skills. Exceptions to these requirements will be considered on a case-by-case basis by Clerkship Director. Enroll Info: None

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

**EMER MED 913 — GUATEMALA PUBLIC HEALTH FIELD PROJECT**
2 credits.

Design and implement a public health field project in the community of San Lucas Tolimán, Guatemala. This project will fulfill the field project for students on the path of distinction in public health or the dual MD-MPH program. In participating in the Guatemala service learning experience, students will have provided traveling health clinics to indigenous Mayan populations in rural Guatemala, collaborating with the San Lucas Mission. Course is intended for M4 or Phase 3 medical students who have participated in the Guatemala Service Learning Experience. Students should have intermediate Spanish-language skills. Exceptions to these requirements will be considered on a case-by-case basis by Clerkship Director. Enroll Info: None

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

**EMER MED 914 — WILDERNESS MEDICINE**
2 credits.

Complete an Advanced Wilderness Life Support Course, which will cover topics such as Altitude Illnesses, Hyper- and Hypothermia, Toxicology, Envenomations, general trauma, and more, through lectures, skills sessions, and simulation. Focus on medical decision-making that can be executed early in disease or injury processes, in austere environments, with a focus on acute stabilization and evacuation to appropriate medical care. Learn foundational backcountry skills such as land navigation; fire and stove operation; water and waste management; and Leave-No-Trace principles. Technical workshops and field experiences give participants the opportunity to learn from experienced kayakers and climbers from the area, to apply backcountry skills on a self-supported backpacking trip, and to continue exploring wilderness medicine through interactive sessions. Enroll Info: None

Requisites: MED SCI-M 810, 811, 812 and 813
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
EMER MED 918 — THORACOABDOMINAL ANATOMY AND SONOGRAPHY IN TRAUMA
2 credits.

Traumatically injured patients require rapid evaluation to assess for life-threatening injuries. Point of care ultrasound is the practice of clinicians performing and interpreting focused real time ultrasound exams at the patient’s bedside, then immediately applying ultrasound findings to guide clinical management or dangerous procedures. Students will learn skills necessary to perform point of care ultrasound, especially for the traumatically injured patients. We will use a multi-modal approach to highlight the clinical relevance and sonographic features of anatomical structures, review pertinent anatomy in the chest and abdomen, and then re-approach these structures by using ultrasound in trauma patients in the Emergency Department. Enroll Info: None
Requisites: MED SC-M 810, 811, 812, and 813
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

EMER MED 920 — ART AND SCIENCE OF RESUSCITATION
2 credits.

Gain comfort with necessary skills in leadership and communication, and subsequently run a resuscitation and to review the basic science, which guides the principles of resuscitation of a variety of critical-illness disease states. Students will first attain ACLS certification via AHA-approved curriculum, followed by in-depth reviews of skills and underlying basic science behind the creation of ACLS guidelines. In addition to hands-on skills such as CPR, BVM respiration, I/O access, and airway management, simulation will be utilized to teach advanced skills in leadership, teamwork, and communication, which are integral to success in running ACLS-based resuscitation. Crisis-Resource Management skills will be introduced and practiced in a variety of simulated resuscitation scenarios, with students having the opportunity to practice various roles, including leading a code team. Enroll Info: None
Requisites: MED SC-M 810, 811, 812, and 813
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

EMER MED 925 — MEDICINE & HORSEMANSHIP
1 credit.

Help medical students develop awareness of the subtleties of self-presentation and communication that are necessary for the physician-patient relationship and other professional interactions. These relationships are based on the student’s interpersonal behaviors as much as on the factual clinical information that he or she brings to the therapeutic transaction. Because medical schools often select for intellectual proficiency over other forms of intelligence, even medical students with premedical clinical and community experience have often not developed the people skills required for clinical excellence. Students will have the opportunity to develop these skills working closely with horses and handlers. Enroll Info: None
Requisites: Declared in Medicine program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

EMER MED 930 — WILDERNESS MEDICINE
1 credit.

Introduces students to the epidemiology, pathophysiology and clinical practice of Wilderness Medicine: the care of patients in remote environments lacking typical health care resources, often under harsh conditions. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

EMER MED 958 — INTRODUCTION TO BEDSIDE ULTRASOUND ELECTIVE
2 credits.

Focus on learning and practicing skills in clinical ultrasound (US) in the Emergency Department setting, under direct supervision by Emergency Medicine faculty. Receive teaching in core clinical US skills including evaluation of the aorta, echocardiography, gallbladder, renal, inferior vena cava, female pelvis, FAST, deep vein thrombosis, ocular, and lung exams. Complete hands-on scanning with ultrasound-trained faculty focusing on the above areas of expertise. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022
EMER MED 961 — ADVANCED EM ELECTIVE
4 credits.

Learn and gain clinical experience in the Emergency Department setting. Evaluate and care for the full spectrum of Emergency Department patients primarily and autonomously under the guidance and supervision of Emergency Medicine Attendings. Enroll Info: None
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

EMER MED 998 — INDEPENDENT STUDY
1-8 credits.

Offers MD students interested in emergency medicine an opportunity to participate in advanced and translational research. Expands basic research knowledge and exposes MD students to current advanced research. Enroll Info: None
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2022