EMERGENCY MEDICINE (EMER MED)

EMER MED 699 — INDEPENDENT STUDY
1-3 credits.

This directed study in emergency medicine will offer students majoring in related fields an opportunity to participate in basic emergency medicine research. This course will assist in the preparation for graduate or medical school coursework. Enroll Info: None
Requisites: Consent of instructor
Repeatable for Credit: No
Last Taught: Fall 2018

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 2019

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

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

Design and implement a public health field project in the community of San Lucas Toliman, 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

EMER MED 914 — ART AND SCIENCE OF RESUSCITATION
2 credits.

Gain comfort with necessary skills in leadership and communication to effectively run a resuscitation and to review the basic science, which guide 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 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 2019

EMER MED 915 — 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 916 — ART AND SCIENCE OF RESUSCITATION
2 credits.

Gain comfort with necessary skills in leadership and communication to effectively run a resuscitation and to review the basic science, which guide 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 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 2019
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 2019

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

The elective will focus on learning and practicing skills in clinical ultrasound (US) in the Emergency Department setting. Students will receive teaching in core clinical US skills including evaluation of the aorta, ECHO, gallbladder, renal, IVC, female pelvis, FAST, DVT, ocular, and lung exams. Students will then complete hands-on scanning with ultrasound-trained faculty focusing on the above areas of expertise. Students will also complete an image review for the scans they performed without faculty supervision, which will ensure students are acquiring and interpreting scans correctly. Students will be assessed both in image acquisition/interpretation for hands-on scanning and by online quizzes to demonstrate understanding of core didactic content. Students will be expected to complete 100 scans for successful completion of the rotation. This elective will be open to all students interested in clinical ultrasound and not exclusively those interested in the field of Emergency Medicine. One student per two-week period. Enroll Info: None
Requisites: Declared in medical program with 4th year standing and EMER MED 961
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

EMER MED 959 – EMERGENCY MEDICINE REGIONAL SITE
2-4 credits.

This course will provide students with an introduction to patient care in the emergency setting. The goals while on this rotation will be to 1) Increase knowledge and understanding of the role of Emergency Medicine in the broader healthcare system; and 2) Become familiar with the initial evaluation, assessment and stabilization of patients who present with urgent and emergent medical and traumatic conditions. Enroll Info: SURGERY 812 or MEDICINE 812
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019

EMER MED 960 – EMERGENCY MEDICINE ELECTIVE - BASIC
2 credits.

The Clerkship’s emphasis is on learning and gaining clinical experience in the acute care setting. Students will be expected to evaluate and care for patients primarily with the guidance and supervision of the Emergency Medicine Attending or Senior Resident. You will “staff” all of your patients with the Attending, and will have the opportunity to perform various procedures with their assistance. The didactic structure of the rotation includes a suture lab, assigned reading materials, and the University of Wisconsin Emergency Medicine Residency Conference series. In addition, during certain months, students may participate in the simulation curriculum (2 hours weekly) alongside the Advanced Emergency Medicine rotators. Enroll Info: Third year students must have completed the first six months of the medical school third year. Exceptions to this prerequisite will be considered on a case-by-case basis by the Emergency Medicine Clerkship Director
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2018

EMER MED 961 – EMERGENCY MEDICINE ELECTIVE - ADVANCED
4 credits.

This Clerkship’s emphasis is on building clinical expertise and gaining experience in the acute care setting. Students will be expected to evaluate and care for patients primarily with the guidance and supervision of the Emergency Medicine Attending or Senior Resident. You will “staff” all of your patients with the Attending or Senior EM Resident, and will have the opportunity to perform procedures on your patients, with expert supervision. The didactic structure of the rotation centers on a weekly simulation curriculum. Other learning venues include suture lab, assigned reading materials, and the University of Wisconsin Emergency Medicine Residency Conference series. Upon making a formal request, all students interested in pursuing a residency in Emergency Medicine can expect to acquire a UW Departmental Standardized Letter of Evaluation (SLOE) after completing this rotation. Enroll Info: Fourth year medical student class standing. Exceptions to this prerequisite will be consider on a case-by-case basis by Clerkship Director
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2019
EMER MED 998 — INDEPENDENT STUDY
1-8 credits.

Offers MD students interested in emergency medicine, an opportunity to participate in advanced and translation research. This course will expand basic research knowledge and expose 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: No

Last Taught: Fall 2018