

# EMERGENCY MEDICINE

**Chair – Michael Wadman, M.D.**  
**Student Clerkship Director – Lisa Meinke, M.D.**  
**Student Clerkship Coordinator – Heather Noyes**  
 UH 3260 A  
 402-559-2571

All electives through this department are pre-arranged with Heather Noyes through e-mail – [heather.noyes@unmc.edu](mailto:heather.noyes@unmc.edu).

Emergency Medicine is a time-dependent specialty that demands the immediate decision-making and timely actions necessary to prevent death or further disability for patients in health crises. It is practiced as patient-demanded and continuously available care for a patient population that is unrestricted and presents with a full spectrum of episodic, undifferentiated physical and behavioral conditions.

The student's responsibility in the ER is to serve as the primary caregiver to the patient in conjunction with other ED staff members and the supervision of the attending physician on duty. The physician assistants and certified nurse practitioners **will not** supervise or evaluate medical students performing a clerkship in the ED. Students are discouraged from serving only in an information-gathering role. Students will be expected to perform a directed history and physical examination, formulate appropriate differential diagnoses, and institute a clinically indicated evaluation and treatment plan after discussion with the attending physician. This responsibility will also include abstracting information from the patient's medical record, serially monitoring the patient for changes in clinical status and keeping the patient informed during the course of their ED evaluation. Procedures that need to be performed on a medical student's patient will be completed by the student under the supervision of the attending physician, unless the attending physician determines that a higher level of expertise is required in order to safely complete the procedure.

As the primary physician practicing under the direction of our ED staff, your educational goals and objectives are as follows:

## COURSE GOALS

Overall Goal: The development of the student's clinical skills, including the diagnosis and management of life-threatening conditions in the undifferentiated patient with a secondary emphasis on basic procedural skills.

Goals:

1. The student will be able to perform a directed, problem-focused history and physical examination.
2. The student will formulate a differential diagnosis addressing urgent and emergent conditions consistent with history and physical examination findings.
3. The student will demonstrate proficiency in basic patient care and monitoring procedures.
4. The student will become proficient in basic wound management.
5. The student will become proficient in basic splinting/immobilization techniques.
6. The student will become proficient in basic EKG interpretation.

7. The student will develop interpersonal skills and professional attributes necessary to provide care in the Emergency Department.

8. The student will understand the role the Emergency Department plays in the greater health care system and how the Emergency Physician may facilitate patient care, including pre-hospital care.

## EMED 733 TRAUMA CENTER/EMERGENCY DEPARTMENT - UNIVERSITY HOSPITAL 4 Credit Hours

### ELECTIVE

This is an experience at the Nebraska Medical Center University Hospital, which will show the operation of an emergency department in a large community by full-time faculty of the College of Medicine and allows students direct patient contact under supervision of an attending physician. In addition, the rotation includes wound care and procedure lab, extremity injury and immobilization lab, simulation lab and a post-test (NBME EM Shelf Exam). Paramedic squad observation will be offered, but is not mandatory. For further information, contact Heather Noyes or Dr. Lisa Meinke at University Hospital (402-559-2571).

Prerequisite: Completion of phase 2 core clerkship, ACLS certification highly recommended

Instructor: Amy Cutright, MD; Lisa Meinke, MD

Contact: Heather Noyes; [heather.noyes@unmc.edu](mailto:heather.noyes@unmc.edu); 402-559-2571; UT 3202C (Zip 1150).

Typically Offered: Each four weeks.

Capacity: 5

Visiting Student Information: Visiting Students are not to contact faculty or clinical departments prior to acceptance through VSLO. Doing so is considered a professional breach and may disqualify the student from being offered a rotation.

**EMED 734 HYPERBARIC AND UNDERSEA MEDICINE 4 Credit Hours**

**ELECTIVE**

Undersea and hyperbaric medicine specialists work with other physicians to treat infectious, traumatic, radiation, surgical and iatrogenic emergencies. This is highly specialized work founded on a large and rapidly progressing literature base. Hyperbaric treatments are advocated by specialists in oral maxillofacial surgery, trauma surgery, infectious disease, internal medicine, pediatrics, toxicology, orthopaedics, critical care and other fields as highly efficacious, scientifically sound, and fiscally responsible. Medical students in those schools associated with hyperbaric facilities learn state of the art treatment of medical and surgical emergencies, including air gas embolism, necrotizing fasciitis, gas gangrene, osteomyelitis, radiation injuries, sudden hearing loss, sudden vision loss, avascular necrosis, gas toxicities, decompression illness, thermal burns and comprised flaps or grafts. This course is designed to introduce the student to the principles of hyperbaric, diving and undersea medicine. The student will have the opportunity to observe monoplace hyperbaric medicine treatments and will review theory of the use of hyperbaric in the 14 UHMS approved therapies. Complication and controversies of HBO use will be discussed in lecture format. The student will review common wound problems, diabetes infection, nutrition, venous stasis and arterial insufficiency. Students will be exposed to patients with radiation injury, diabetic wounds, vascular issues and infectious issues such as osteomyelitis and necrotizing fasciitis. Didactics will include undersea and diving related topics such as gas embolism, decompression illness, inert gas narcosis, barotrauma, and marine envenomations and environmental illness. The Hyperbaric Medicine Center at UNMC is the only 24-hour per day hyperbaric medicine referral center with critical care capability from Des Moines to Denver and Kansas City to Minneapolis.

Instructor: Dr. Jeffrey Cooper.

Contact: Heather Noyes; heather.noyes@unmc.edu; 402-559-2571; UT 3202C (Zip 1150).

Typically Offered: Each four weeks.

Capacity: 1.

Visiting Student Information: This course is NOT available to visiting students.

**EMED 735 E.D. BELLEVUE - COMMUNITY EMERGENCY MEDICINE 4 Credit Hours**

**ELECTIVE**

This is an experience at the Nebraska Medicine Bellevue Medicine Center Emergency Department (30,000 visits/yr). This rotation is designed to expose students to the operations and patient care provided at a community based mid-sized ED by full-time faculty of the College of Medicine. Student will provide direct patient care under supervision of an attending physician. The rotation also includes dedicated didactic and simulation 4 hours including wound care and procedure lab, extremity injury and immobilization lab. There is no end of rotation standardized test.

Instructor: Amy Cutright, MD; Lisa Meinke, MD

Typically Offered: each 4 weeks. Contact Heather Noyes, heather.noyes@unmc.edu; 402-559-2571; UT 3202C (Zip 1150).

Capacity: 6

Visiting Student Information: Visiting students are not to contact faculty or clinical departments prior to acceptance through VSLO. Doing so is considered a professional breach and may disqualify the student from being offered a rotation.

**EMED 761 E.R. OFF CAMPUS 4 Credit Hours**

**ELECTIVE**

Special off-campus electives in Emergency Medicine at other medical centers can be arranged for an extraordinary learning experience not regularly available within the department. Any student interested in this elective may choose their experience or ask for suggestions from the EM Clerkship Director. An Off-Campus Elective Application form must be signed by the student's advisor then submitted to the Emergency Medicine Department clerkship director for approval. The primary concern is to identify a responsible and acceptable faculty-in-absentia who will assure an active clerkship and offer an evaluation of performance.

Prerequisite: Off-Campus Approval form completed.

Contact: Heather Noyes; heather.noyes@unmc.edu; 402-559-2571; UT 3202B (Zip 1150).

Typically Offered: Every four weeks.

Capacity: By arrangement.

Visiting Student Information: This course is NOT available to visiting students.