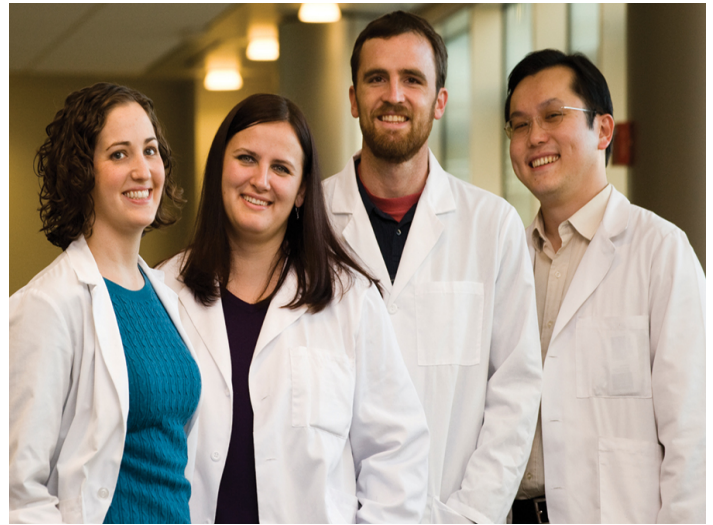




University of California, Davis
Department of Emergency Medicine
Medical Student Curriculum



Medical Student Education

Introduction

The Department of Emergency Medicine offers several elective rotations for medical students in order to provide emergency medicine experience in both clinical and research areas. Starting as first year medical students, students can participate in emergency care with the EMR 401 preceptorship. During the fourth year, several electives are offered to provide students with basic emergency medicine knowledge and continued exposure to the care of emergency patients.

These electives are some of the most popular fourth-year courses, and most students feel that they

gain a unique knowledge base during their emergency medicine rotations. Students work side-by-side with emergency medicine residents and are supervised directly by emergency medicine faculty, with significant time spent on bedside teaching and personalized interaction. All of the clinical shifts are spent in the UC Davis Emergency Department, which has one of the nation's highest-acuity and the area's most technologically advanced emergency departments, making it an ideal training ground for both students and residents.

Emergency Medicine

Medical Student Courses



EMR 440 – EM Acting Internship

Duration and Units: 4 weeks, 6 units

The primary goal of the emergency medicine clerkship is to teach the student how to recognize and manage acute life threatening conditions. A secondary goal is to develop the diagnostic skills necessary to evaluate patients with common symptoms such as chest pain or abdominal pain.

Students should have a solid foundation in internal medicine, surgery, and pediatrics prior to starting this rotation. The student will be expected to take a focused history and physical and present it in a concise, clear fashion. Grading: Honors/Pass/Fail determined by faculty evaluations.

EMR 430 – Introduction to Toxicology

Duration and Units: 4 weeks, 6 units

This course offers in depth review of clinical and medical toxicologic emergencies. The rotation includes contact with toxicology trained emergency faculty, didactic lectures, journal club, simulation training and exposure to a very busy poison control center. Grading: Pass/Fail only.

EMR 401 – Preceptorship in EM

Duration and Units: 2 shifts (10 hours each), 1 unit

This preceptorship is offered to first and second year UC Davis medical students seeking exposure to clinical medicine. It is particularly well suited for students that are interested in emergency care and are considering a career in emergency medicine. Students spend two clinical shifts in the emergency department with an Emergency Medicine Faculty member. The student has the opportunity to see a wide spectrum of patients, many of which are critically ill or injured. Grading: Pass/Fail only.



Medical Student Courses

EMR 445 – EM Ultrasound

Duration and Units: 4 weeks, 6 units

There is an increasing role for Point of Care Ultrasound across many specialties. This tool provides an extension to the assessment of the critically ill patient and affords dynamic guidance of invasive procedures. The elective will focus on image acquisition and interpretation at the bedside within the ED under the supervision of the emergency ultrasound fellow and ED attendings. Image and tape review during weekly Emergency Ultrasound Continuous Quality Improvement will provide a forum for focused learning and direct feedback on cases. Prerequisites: 4th year med student in good standing. EMR 440 (or equivalent) recommended prior to rotation. Grading: Pass/Fail only.

EMR 490 – EM Procedures

Duration and Units: 2 weeks, 3 units

Simulator-based skills training for emergency procedures including airway management, central venous access, chest tube placement, and general critical care management. Prerequisites: 4th year medical student in good standing. Grading: Pass/fail only.

EMR 470 – Pediatric Emergency Medicine

Duration and Units: 4 weeks, 6 units

Students will see patients in the Pediatric area of the Emergency Department under the supervision of an Emergency Medicine Attending. Emphasis on recognition and management of the acutely ill pediatric patient and treatment of common pediatric complaints. Prerequisites: satisfactory completion of Medicine, Surgery and Pediatrics. Grading: Honors/Pass/Fail determined by faculty evaluations.

EMR 499 – EM Research

Duration and Units: Variable

Emergency Medicine research is scientific investigation to develop new knowledge in emergency situations to improve the care of prehospital and Emergency Department care. This research spans the entire spectrum of research including basic science, translational, clinical, and outcomes as well as Emergency medicine teaching and education.

EMR 480 – Health Policy

Duration and Units: 4 weeks, 6 units

The paradigm of healthcare delivery in the US is changing rapidly. To prepare the next generation of physician leaders, this course will provide students with the skills, tools, and knowledge needed to impact decisions made at the policy level. In this course students will learn about the government's role in society, social and economic forces guiding policy decisions, and concepts and methods applied in health policy analysis. Next, students will learn effective methods of translating key research and public health findings into language policymakers can understand. Throughout the course students will apply this knowledge by reviewing salient historical and current health related legislative initiatives and analyze their outcomes.



Innovative Curriculum

Save The Manikin Day

STMD is an interactive simulation provided by UC Davis EM Faculty in the Center for Virtual Care. Students participate in teams with the objective of resuscitating manikin patients in a simulated emergency department resuscitation bay and get the opportunity to feel what it is like to attempt resuscitation of an undifferentiated, very ill patient. Teamwork allows for creation of a safe learning environment to maximize learning potential.



Contact Us

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