

# Emergency Medicine (EMMD)

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Course information contained within the Bulletin is accurate at the time of publication in August 2023 but is subject to change. For the most up-to-date course information, please refer to the Course Catalog.

## **EMMD M175. Introduction to Clinical Reasoning. 0 Credit Hours.**

This elective will allow students to practice their clinical reasoning skills by working through difficult cases gathered from the instructors' clinical experience as well as cases from popular TV shows and other types of media. We will go through the process of building a differential diagnosis and practice using online resources to find the answer to difficult questions. Special emphasis will be put on Emergency and Critical Care cases, but we will also discuss different clinical reasoning strategies for a variety of clinical situations. During this course, we will also be working together to solve real patient cases through CrowdMed, an online database for unsolved medical mysteries. This website allows patients with unsolved medical problems to present their own cases and ask for help from the medical community. You will become a "Medical Detective" and submit possible diagnoses to help patients get answers about their medical problems that have stumped their own physicians. We will break students up into teams, each led by one of the resident facilitators, to see who can help the most patients by solving their cases!

**Repeatability:** This course may be repeated for additional credit.

## **EMMD M190. Intro to Emergency Medicine. 0 Credit Hours.**

**Course Attributes:** M5

## **EMMD M191. Wilderness Medicine. 0 Credit Hours.**

We would like to provide the opportunity at LKSOM for students to explore the field of Wilderness Medicine (WM) early in their medical education in the form of a structured elective. This elective is designed for 1st and 2nd year medical students, with a goal of providing an introduction to the field of WM and environmental medicine while gaining hands-on experience and exposure to skills required for expedition planning, rescue, and wilderness survival. We will create an interactive learning environment where students can learn and practice under the supervision of faculty with experience and training in WM. The Wilderness Medical Society, a CME-accredited resource for academic WM, offers course materials for student electives that we will utilize in the design of this elective.

**Repeatability:** This course may be repeated for additional credit.

## **EMMD M199. Point of Care Ultrasound. 0 Credit Hours.**

Point of Care Ultrasound has become an indispensable skill in the evaluation and treatment of patients across the broad spectrum of medicine. Its utilization allows for timely diagnoses, as well as safe and effective treatment. This elective will introduce the fundamentals of ultrasound and the basics scans over seven sessions throughout the semester. The format will include an initial lecture followed by hands-on ultrasound training in the simulation lab.

**Repeatability:** This course may be repeated for additional credit.

## **EMMD M401. Emergency Medicine Teaching Elective. 0 Credit Hours.**

Students will help with the summer work-study students. They will be involved with organizing their schedules, assisting them in the ED, developing cases, giving lectures. This will enhance their teaching abilities, as well as their communication skills in working with other students and healthcare workers.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of P in EMMD M403.

## **EMMD M402. Emergency Medical Services. 0 Credit Hours.**

**Course Attributes:** M2

**Repeatability:** This course may not be repeated for additional credits.

## **EMMD M403. Emergency Medicine. 0 Credit Hours.**

**Course Attributes:** M2

**EMMD M404. Advanced Emergency Medicine. 0 Credit Hours.**

This elective is for 4th-year students only. It is a 4-week elective during which students will be expected to perform at the sub-internship level. They will be responsible for evaluating and managing the undifferentiated and acutely ill patients that present to the emergency department (ED). Working alongside senior residents and attendings, students will take primary responsibility for their patients. They will be expected to perform a focused history and physical exam, develop a differential diagnosis, and create/implement a treatment plan. They will assist in procedures, as well as consultations and the dispositioning of their patients. The students will complete 10-12 clinical shifts while also participating in specialized days where they are introduced to the various fellowship opportunities in the field of Emergency Medicine. These sessions will include a day of focused ultrasound training, EMS operations, and toxicology care. The students will also participate in simulation sessions and procedure labs throughout the rotation. At the closure of the elective, the students will give a 15-minute oral presentation on an interesting case from a patient encounter during their time in the ED. The presentation will include at least two educational pearls regarding that topic. They will receive mid-rotation and end-of-rotation feedback. The standard end-of-shift evaluation EM card will be utilized to assess daily progress and grading. This course will be graded Honors, High Pass, Pass, Fail.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of P in EMMD M403.

**EMMD M413. Emergency Medicine Health Equity Elective. 0 Credit Hours.**

Students will build their skills, experience and understanding of issues related to health equity and their manifestations in the emergency department. Students will explore social and structural determinants of health, health disparities, and the various levels of intervention to address them. They will acquire new vocabulary to describe the challenges faced by historically marginalized communities. Students will spend clinical time in the emergency department with a focus on how issues of health equity impact patient care. They will also spend time in alternate care settings, including the addiction medicine service, the Begin the Turn mobile unit, and at local community organizations to better understand the role of various stakeholders invested in addressing the challenges and opportunities in North Philadelphia. Students will attend didactic and interactive presentations given by Temple emergency medicine residents and faculty on social emergency medicine topics, and complete asynchronous work and an independent presentation on a related topic of their choice.

**Repeatability:** This course may be repeated for additional credit.

**Pre-requisites:** Minimum grade of P in EMMD M403.

**EMMD M424. Bedside Ultrasonography. 0 Credit Hours.**

**Course Attributes:** M2

**Repeatability:** This course may not be repeated for additional credits.

**EMMD M433. Medical Toxicology. 0 Credit Hours.**

Rotation may be two or four weeks, depending on rotator preference and residency requirement. Vacations may not be taken during two-week rotations. All rotators to be available M-F 8a-5p to see all patients with attending at bedside or via telemedicine. At least two additional calls per week 5p-9p and one full weekend day per rotation. Bedside consultations occur only at Bethlehem, Anderson, Allentown, and Warren. Rotators will be conferenced into calls with toxicologist when on call. Telemedicine is available at the toxicologist's discretion for any campus and rotator will be expected to have Microsoft Teams app downloaded to computer or phone in order to participate. Consultation notes to be written by resident on Bethlehem and Allentown patients seen at the bedside using template: toxadultconsult.

**Repeatability:** This course may be repeated for additional credit.