

Faculty Director:	Catherine Reynolds, MD; Jonathan Giordano, DO
Participating Faculty:	Faculty in the Department of Emergency Medicine
Location:	Memorial Hermann TMC Emergency Center, LBJ Emergency Center
Prerequisites:	None
Streams Offered:	(ST, WX, KL, CD, QR, UV)
Max. # Students/3-week Period:	3

Course Objective

Material Covered:

This third-year elective will provide an introduction to emergency medicine. Students will learn how to generate differential diagnoses that include urgent and emergent conditions consistent with history and physical examination findings in the undifferentiated patient. Students will be introduced to basic patient care and monitoring of common acute problems in the undifferentiated patient.

Specific learning objectives for this third-year elective are as follows:

By the end of this elective, the student will be able to:

- Perform a directed history and focused physical examination on a patient
- State the scope of care (clinical presentation, initial management, and complications) for patients presenting with common emergencies (see list below)
- Develop a systematic approach to interpretation of radiographic imaging (x-ray and CT), electrocardiograms and laboratory data
- Perform basic procedures (such as venous access, phlebotomy, and suturing of simple lacerations)

Common acute problems/emergencies including but not limited to -

Cardiovascular	Acute myocardial infarction Pulmonary embolism Aortic Dissection Heart Failure
Respiratory	Asthma Emphysema/chronic obstructive pulmonary disease Pneumothorax Pneumonia
Gastrointestinal	Acute cholecystitis Diverticulitis Appendicitis Bowel obstruction Gastrointestinal Hemorrhage Mesenteric Ischemia
Genitourinary	Urinary tract infection Nephrolithiasis Ectopic pregnancy Spontaneous abortion Sexually transmitted infection Ovarian/Testicular Torsion
Neurologic	Cerebrovascular accident Seizure Infection (meningitis) Coma

Students will attend MS3 specific didactics, resident didactic conferences on Thursdays from 8:00 am – 12:00 pm and will work 10 shifts in the emergency department.

Students will demonstrate attainment of the above objectives through attendance and participation in didactic conference and clinical assignments.

Activities Of Elective

Number Of New Patients/Student/Week: N/A

Responsibilities Of Student For Assigned Patients:

Does history/physical:	Yes
Who critiques:	Attending and resident on the respective shift.
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Attending and resident on the respective shift.
Does student see ambulatory patients:	Yes

Procedures	Observe	Perform
Venous access and phlebotomy	Yes	Yes
Basic suturing	Yes	Yes
Other (Foley Catheter, NG tube, EKG, etc.)	Yes	Optional

Scheduled Duties of Student:

Frequency of rounds on patients	N/A
Presents patients to preceptor or attending physician	YES
Weekly schedule of required teaching sessions	as dictated by the residency conference schedule

Other Required Activities:

Reading/review of current literature	Yes
Writing or presenting a paper	No

How Is Student Evaluated:

This elective is pass/fail. Students will be evaluated by faculty based on their attendance and participation in didactic sessions and clinical assignments. The students are evaluated based on the demonstration of their accomplishment of the objectives.