Course Objective

Material Covered:
This elective will provide medical students with an insight into the full spectrum or prehospital and disaster medicine, including EMS medical direction, prehospital systems of care, interfacility transfer of patients, operational prehospital medicine, and disaster mitigation, preparedness, response, and recovery. This course will lead to a future physician who is better able to engage with the prehospital providers and agencies that respond and transport patients to or from the hospitals of their future careers. Additionally, the learners will recognize the importance of disaster management and be prepared to participate in disaster planning and response. The student will work to understand major concepts in prehospital and disaster medicine as it pertains to systems of care in the prehospital to hospital, transfer, or post-discharge realms.

Skills Acquired:
Students will recognize and subsequently apply the essentials of personal safety at an emergency scene, as well as demonstrate skills in communicating and interacting with prehospital providers. Additionally, they will identify triage systems for use in the prehospital and/or disaster setting.

Activities Of Elective

Number Of New Patients/Student/Week: N/A
Responsibilities Of Student For Assigned Patients: N/A

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<thead>
<tr>
<th>Procedures</th>
<th>Observe</th>
<th>Perform</th>
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<tr>
<td>Basic and advanced life support</td>
<td>X</td>
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<tr>
<td>Prehospital care of the EMS patient</td>
<td>X</td>
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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: By arrangement

The student will spend several hours in small group discussions with the elective director or other faculty in the Department of Emergency Medicine, covering all of the topics in the syllabus. The student will also complete several on-line training courses available through the Federal Emergency Management Agency.

Students will take part in a series of field experiences as available, which will include basic life support, advanced life support, technical rescue, EMS Supervisor, and/or EMS physician ride-outs with the Houston Fire Department and other local emergency response agencies who have a medical direction relationship with the Department of Emergency Medicine’s Prehospital and Disaster Medicine Section. Additional opportunities will also be included, which may include 911 dispatch call centers, hazardous materials response, drills and simulations as available, and other opportunities as available.

Describe Optional Rounds And Activities, If Any:

Students are encouraged to attend an Emergency Medicine weekly educational conference as appropriate and as scheduling allows.

Other Required Activities:

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<th>Activity</th>
<th>Requirement</th>
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<tr>
<td>Reading/review of current literature</td>
<td>Yes - Readings will be distributed to the students as appropriate, and will include review of applicable EMS literature</td>
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<tr>
<td>Writing or presenting a paper</td>
<td>Yes - Each student will critically assess a piece of relevant EMS literature to the group for discussion</td>
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How Is Student Evaluated:

Written test, oral literature presentation, participation in group discussions
Who Evaluates Students:
Faculty

Unique Features Of This Elective:
This will give the student the opportunity to have real-life exposure to the field of Emergency Medical Services as they actually spend time on the street responding to emergencies with local emergency response agencies. They will also recognize the correct use of personal protective equipment to allow them to provide medical care to contaminated patients in the prehospital or hospital environment.