

EMER 7510 Selected Topics in Emergency Medicine

Section 1 Emergency Medicine

Year: 1 or 2

Credits: .5

Directors: Overton

Prerequisites:

Offered: During Year 1 and 2 elective week

Max Number of Students: 4 (two per hospital)

Description:

Students will work alongside emergency medicine faculty and senior level residents caring for patients in a high volume emergency department. Students will work three, eight hour ED shifts, and will also attend weekly emergency medicine conferences. Total time expectations will be 25-30 hours per week.

Objectives:

- Develop a basic differential of common emergent causes of:
 - Abdominal pain
 - Chest pain
 - Headache
 - Respiratory Distress

Section 2 Emergency Medical Services

Year: 1 or 2

Credits: .5

Directors: Mastenbrook

*Prerequisites: Michigan MFR/EMT/Paramedic License**

Offered: During Year 1 and 2 elective week

Max Number of Students: 2

Description:

Students will gain familiarity with a high performance prehospital EMS system. Along with EMS faculty and staff, they will attend various standing administrative meetings, and weekly emergency medicine grand rounds/simulation. They will complete two 8-hour ride along shifts with paramedics and one 8-hour ride along shift with medical first responder firefighters. Total time expectations will be approximately 25-30 hours per week.

Objectives:

- Understand the EMS system function
- Provide examples of pre-hospital medical direction (online and offline) and physician oversight
- *Participation in the provision of pre-hospital care
- Define the role of members of the prehospital health team
- Experience interactions with members of the prehospital health team

Section 3 Medical Response Unit

Year: 1 or 2

Credits: .5

Directors: Mastenbrook

*Prerequisites: Michigan MFR/EMT/Paramedic License**

Offered: During Year 1 and 2 elective week (not offered July-September)

Max Number of Students: 1

Description:

Alongside senior emergency medicine resident physicians, students will ride along on WMed's Medical Response Unit, a specially-outfitted EMS response vehicle equipped with emergency response capabilities, medical equipment and tools not available on standard ambulances. Students will respond to major high-acuity EMS calls such as multi-casualty incidents, cardiac arrests, multi-alarm fires and major traumas. Students will attend weekly emergency medicine grand rounds/simulation, and will work three 8-hour shifts for a total time expectation of approximately 25-30 hours per week.

Objectives:

- Understand the EMS system function
- Provide examples of pre-hospital medical direction (online and offline) and physician oversight
- *Participation in the provision of pre-hospital care
- Define the role of members of the prehospital health team
- Experience interactions with members of the prehospital health team

Section 4 Emergency Medicine Research

Year: 1 or 2

Credits: .5

Directors: Overton

Prerequisites:

Offered: During Year 1 and 2 elective week

Max Number of Students: 2

Description:

Students with ongoing involvement in select research projects may receive permission to devote a week of dedicated time. Maximum time expectation will be 25-30 hours.