

**Course Number:****Course Name:** Pre-Hospital Orthopaedic Medicine Elective**Course Directors:** Name: Brennon Henderson, Adam Yasin  
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**Course Description:** This elective is designed to educate first and second year medical students on the field of orthopedic medicine and the different specialties within it, such as pediatric orthopedics, sports medicine orthopedics and orthopedic trauma. Through a combination of lectures and discussions, students will have the opportunity to hear from attending physicians, associate professors and residents on the discipline of orthopedics and what it entails, not only as a successful orthopedist but a successful orthopedic applicant. Students will also practice basic clinical skills that are required in the field such as reading x-rays, MRIs, casting, stabilizing and setting fractures and suturing. The educational opportunities from this elective are a must for anyone who even thinks they might be interested in orthopedic medicine and want to know more about the field.

**Course Prerequisite:** Must be a fully enrolled first- or second-year medical student at TTUHSC SOM Lubbock.

**Computer Requirement:** n/a

**Course Objectives and Expected Learning Outcomes:**

At the end of this course, the student will be able to:

1. Be comfortable with an overview of the field of Orthopedic Medicine and the subspecialties within
2. Have had practice clinical skills such as reading MRIs, x-rays, casting and suturing
3. To work on cases and prepare a differential diagnosis and treatment plan with physician guidance

4. Be more familiar with the aspects of medicine, terminology, equipment, treatments, that are unique to Orthopedic Medicine

**Course Assessments:**

Grading Component	Contribution to final grade
Lectures/Labs (1 <sup>st</sup> lecture is mandatory)	90%
Last lab is mandatory-demonstration of clinical skill	10%

**Required Text:** n/a

**Professional Behavior will be assessed based on engagement in class activities, including attendance and peer review.**

**Attendance:** Must attend 80% of lectures and labs to receive credit.

**Grading:** The course will be graded Pass/Fail, with attendance at lectures and skills lab used to determine students participation. Attendance at the specified number of lectures and labs will be determined once the schedule is finalized. Attendance at the first lecture (Lecture 1) and the last lab is mandatory. Students will be presented with a final case (the last lab) where they have to assess the patient, come up with their own differential diagnosis and treatment plan and then present it to the attendings present.

**Incompletes:**

**Course Schedule:**

Date	Time	Topic	Faculty	Room
September		Intro/Using available online Orthopedics sites/resources	NA, Student led	
October		Orthopaedic Management in Sports	TTU Basketball Athletic Trainer	
November		Orthopaedic Sports Medicine	Dr. Matthew Ferguson	
December		Reading x-rays, MRIs, CTs w/case studies	Residents TBD	
January		Casting clinic w/reducing and stabilizing fractures	Residents TBD	
February		Basic orthopedics physical exam	Residents TBD	
March		Pediatric Orthopaedics	Dr. Michel Diab	
April		Final OSCE	NA, Student led	

**Course Faculty:**

Name	Department	Room	Email	Phone

**Academic Integrity:** All students are expected to subscribe to an honor system which is implicit in accepting admission to the Health Sciences Center. Each student shall be responsible for his/her conduct from the time of the application for admission through the actual awarding of a degree, even though conduct may occur before classes begin or after classes end, as well as during the academic year and during periods between terms of actual enrollment. Students are expected to abide by all of the rules for academic integrity, as specified in the TTUHSC Student Affairs Handbook ([www.ttuhsoc.edu/student-services/doc/handbook.pdf](http://www.ttuhsoc.edu/student-services/doc/handbook.pdf)).

**Students with Disabilities:** *"Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact the course instructor (or program director) to make the necessary referral. Students must present appropriate verification from Student Disability Services in a confidential meeting with the instructor. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from Student Disability Services has been provided. For additional information, please contact the Office of Student Disability Services located in Lubbock - 2C412, by telephone at 806-743-1926, or by email [disabilityservices@ttuhsc.edu](mailto:disabilityservices@ttuhsc.edu)."*

**Course Evaluations:**

**Additional Information:**