

Faculty Director:	John Munz, MD
Participating Faculty:	Faculty in the Department of Orthopedic Surgery
Location:	MHH, LBJ
Prerequisites:	None
Streams Offered:	All Streams
Max. # Students/3-week Period:	2-3

Course Objective

Material Covered:

This third-year elective will provide an introduction to the field of orthopedic surgery. Students will learn how to take an orthopaedic history and conduct an appropriate physical examination of the extremities and spine. This elective should be considered by students who have a general interest in orthopaedic surgery.

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

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

- Take an orthopaedic history
- Perform an examination of extremities and spine
- Appropriately use of orthopaedic terminology
- Describe x-ray findings accurately
- Describe the principles of musculoskeletal care
- Discuss the principles of skeletal development
- Describe the basic principles of reconstructive joint surgery
- Describe the signs and symptoms of pulmonary embolus, fat embolus syndrome, compartment syndrome, infection, etc.
- Perform minor procedures correctly: cast application, arthrocentesis, insertion of traction pins, etc.
- Describe conditions in which orthopaedic assessment and treatment should not be delayed.

Students will attend clinical activities as determined by the resident team and will take call.

Students will attend didactic conferences as outlined below (and as appropriate for their scheduling within the elective).

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	6:30-7:30A LBJ Team Meeting - Pre-op Indications	6:30-7:30A LBJ Team Meeting Post-op and M&M	6:50-7:20A LBJ – Knee and Shoulder/ Knee or Shoulder clinical cases 5:00-7:00P Weekly Ortho Trauma	9:00-10:00A Subspecialty Teaching, Ethics, Business of Ortho, Communications	
Week 2	6:30-7:30A LBJ Team Meeting - Pre-op Indications	6:30-7:30A LBJ Team Meeting Post-op and M&M	6:50-7:20A LBJ – Knee and Shoulder/ Knee or Shoulder clinical cases 5:00-7:00P Weekly Ortho Trauma	7:00-8:00A Grand Rounds 8:00-10:00A Subspecialty Teaching to include anatomy sessions	7:00-8:00A Combined Ortho/Trauma Meeting (Feb, May, Aug, Nov)
Week 3	6:30-7:30A LBJ Team Meeting - Pre-op Indications	6:30-7:30A LBJ Team Meeting Post-op and M&M	6:50-7:20A LBJ – Knee and Shoulder/ Knee or Shoulder clinical cases 5:00-7:00P Weekly Ortho Trauma	7:00-8:00A M&M 8:00-10:00A Subspecialty Teaching to include anatomy sessions	7:00-8:00A Problem Fracture or Trauma Indications (every other month)
Week 4	6:30-7:30A LBJ Team Meeting - Pre-op Indications	6:30-7:30A LBJ Team Meeting Post-op and M&M	6:50-7:20A LBJ – Knee and Shoulder/ Knee or Shoulder	8:00-10:00A Subspecialty Teaching to include anatomy sessions	

			clinical cases 5:00-7:00P Weekly Ortho Trauma	7:00-9:00A Every 2 months – Visiting Professor	
Week 5	6:30-7:30A LBJ Team Meeting - Pre-op Indications	6:30-7:30A LBJ Team Meeting Post-op and M&M	6:50-7:20A LBJ – Knee and Shoulder/ Knee or Shoulder clinical cases 5:00-7:00P Weekly Ortho Trauma	7:00-8:00A Grand Rounds 8:00-10:00A Subspecialty Teaching to include anatomy sessions	

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

Activities Of Elective

Number Of New Patients/Student/Week: 3

Responsibilities Of Student For Assigned Patients:

Does history/physical:	Yes
Who critiques:	Attending and resident
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Attending and resident
Does student see ambulatory patients:	Yes (outpatient clinic)

Procedures	Observe	Perform
Cast application	Yes	Yes
Arthrocentesis	Yes	No
Insertion of traction pins	Yes	No

Scheduled Duties of Student:

Frequency of rounds on patients	Daily
Presents patients to preceptor or attending physician	YES
Weekly schedule of required teaching sessions	As outlined above

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 attendance at clinical assignments and participation in clinical activities. The students are evaluated based on the demonstration of their accomplishment of the objectives. Mid-rotation feedback in writing is required for all students.