

## Elective Description

**Campus:** Southeast (Fargo)

**Department:** Surgery

**Elective/Experience Title:** Orthopedic Surgery – Sports Medicine

**Course Number:** SURG 9206

**Location of Elective:** Sanford Orthopedics & Sports Medicine – Fargo, ND

**Preceptor(s):** Bruce Piatt, MD      Howard T. Berglund, MD      Matthew Friederichs, MD      Steven Lantz, MD  
Mark Lundeen, MD      Matthew Nelsen, MD      Benjamin Noonan, MD

**Period(s) Offered:** All periods

**Course Prerequisites:** none

**Number of students per period:** 1

**Revised Curriculum Phase(s):** 2 & 3

**Purpose:** To teach the skills of recognition and evaluation of orthopedic sports injuries or acquired disabilities.

**Objectives:** Following successful completion of this elective, the student will be able to:

1. Summarize knowledge of musculoskeletal disorders and sports-related orthopedic injuries. (competency 2.1, 2.2)
2. Execute a complete history and physical examination for patients with musculoskeletal disorders and sports-related orthopedic injuries (competency 2.3, 3.1).
3. Generate a differential diagnosis and most likely diagnosis for patients with musculoskeletal disorders and sports-related orthopedic injuries (competency 3.3).
4. Generate an appropriate treatment plan for patients with musculoskeletal disorders and sports-related injuries including referrals to other disciplines as needed (competency 3.4, 7.3).
5. Choose to collaborate with physical therapists, occupational therapists, and athletic trainers in the management, disposition, and prevention of orthopedic / sports injuries and acquired disabilities (competency 4.3, 7.3).

**Instructional Activities:** During this elective, the student will be involved in/experience:

1. Participation with preceptor in coverage of athletic events and sports medicine clinic activities.
2. Performance of various diagnostic techniques, modalities and exercises used in the treatment and prevention of orthopedic / sports injuries and acquired disabilities
3. Observation and participation in rehabilitation including sports specific physical therapy regimes and proprioceptive exercise physiology protocols.
4. Reading assignments on relevant topics.

**Criteria for Grading:** During and following this elective, the preceptor will:

1. By direct observation, measure the student's level of skill in providing appropriate and accurate assessment of orthopedic / sports injuries or acquired disabilities (Objective 1-3).
2. By discussion with the student or review of written work, determine appropriateness of patient treatment plan proposals including referral for therapeutic procedures to be provided by physical therapist, occupational therapist, and athletic trainer (Objective 4).
3. By direct questioning and discussion with the student evaluate the student's knowledge of various topics from assigned reading (Objective 1).
- 4.
5. By direct observation evaluate the student's ability to collaborate with other healthcare professionals during patient care (Objective 5)
6. Utilize the standardized UNDSMHS senior elective evaluation form.