

ORTHOPEDICS (ORTO)

Courses

ORTO 4000. Special Topic. 4 Credit Hours.

This is a self-designed course created by both the student and the department to cover a specific topic. A Course Approval Form must be completed along with documentation of the designed course description.

ORTO 4003. Selective In Hand Surgery. 4 Credit Hours.

The student participates as a team member on the Orthopaedic Hand Surgery Service of University Hospital. The student participates in the care of acute, traumatic, and elective reconstructive problems of the hand. Principles of examination of the hand and upper extremity, as well as patient management, are taught through clinical experience and gross dissection of the upper extremity. The student is required to attend core lectures on basic orthopaedics by orthopaedic faculty. No late drops. Prerequisite: ORTO 4005.

ORTO 4005. Trauma, Fracture & Clinical Care. 4 Credit Hours.

Participate as a member of an orthopaedic elective service team (including VA) for two weeks and two weeks as a member of the orthopaedic trauma service. On the elective service, the student will be assigned to a specific resident and faculty member to work in the outpatient clinics, on wards, and in surgery. Experience will emphasize both operative and nonoperative treatment. On the trauma service, the student will be assigned to a specific resident to work in the emergency room, trauma clinics, and operating room. Broad experience in assessment and care of extremity trauma will include fracture reduction and application of plaster casts. The student is required to also attend core lectures in basic orthopaedics by faculty. Reading material includes excerpts from Essentials of Musculoskeletal Care, as well as reading material required by a particular service. No late drops.

ORTO 4006. Adult Reconstruction In Orthopaedics. 4 Credit Hours.

Assigned to the Total Joint Service. Clinic exposure includes two half days of adult reconstruction clinic: one at UT Medicine and the second at University Clinic Downtown. Students are required to learn to conduct a thorough orthopaedic examination including preoperative and post-operative evaluations. Operative experience includes two or three days per week at University Hospital, Audie L. Murphy V. A. Hospital, and Santa Rosa Northwest. Students will scrub with and assist Dr. Marshall and/or Dr. Trick in the operating room. Procedures primarily include total hip and total knee replacement and revision as well as hip and knee arthroscopy. Learning objectives will focus on basic biomechanics, anatomy, and perioperative care. Will attend core lectures on basic orthopaedics by orthopaedic faculty. Reading material includes excerpts from Essentials of Musculoskeletal Care. No late drops.

ORTO 4008. Pediatric Orthopaedics SRCH/UH. 4 Credit Hours.

Students are assigned to work with one of the pediatric orthopaedic faculty for broad exposure in the essentials in pediatric orthopaedics. Students are required to attend outpatient clinics at Christus Santa Rosa Children's Hospital, University Clinic Downtown, and University Clinic. Students are required to perform preoperative workups, attend surgery, and attend conferences at Christus Santa Rose Children's Hospital. Both assessment and treatment of pediatric trauma, congenital conditions such as clubfoot and dislocated hip, spinal disease, and neurologic conditions such as cerebral palsy will be emphasized. Students are required to attend core lectures on basic orthopaedics by orthopaedic faculty. Reading material includes excerpts from Essentials of Musculoskeletal Care, as well as reading material required by a particular service. No late drops.

ORTO 4009. Orthopaedics Research. 4 Credit Hours.

The student will be assigned to the supervision of one member of the orthopaedic faculty to carry out either a basic or clinical research project. The content and scope of the project will be determined by the student and faculty member prior to the start of the rotation. Either basic or clinical studies may be undertaken. Students are required to attend core lectures in basic orthopaedics by faculty. Reading material includes excerpts from Essentials of Musculoskeletal Care, as well as reading material required by a particular service. No late drops.

ORTO 4011. Sports Medicine Selective. 4 Credit Hours.

Students are assigned to the Sports Medicine Service. Students are required to participate in the knee rehabilitation clinic, weekly training-room visits, and attend surgeries. Introduction to the diagnosis and treatment of joint instability as well as care of the athlete will be made. Students are required to attend core lectures in basic orthopaedics by faculty. A brief review paper on a sports subject related to the student's chosen field of study, researched and submitted in rough draft, is required. Reading material includes excerpts from Essentials of Musculoskeletal Care. No late drops.

ORTO 4012. Orthopaedic Oncology. 4 Credit Hours.

Students are required to participate as a member of Orthopaedic Oncology Service. Students are required to participate in initial evaluations, staging, biopsy and definitive treatment of patients with primary musculoskeletal tumors and cancer metastatic to bone. Regional anatomy, pathology, and initial patient evaluation are emphasized. Each student is required to prepare a case presentation and discussion. Clinical experience and surgical exposure will be included. Students are required to attend core lectures in basic orthopaedics by faculty. Reading material includes excerpts from Essentials of Musculoskeletal Care, as well as reading material required by this service. No late drops.

ORTO 4014. Primary Care Orthopaedics. 4 Credit Hours.

A thorough outpatient orthopaedic primary care experience working under direct faculty supervision in Outpatient Clinics, this rotation is ideal for the student who wishes to pursue a career in Primary Care Medicine. The focus will be on common outpatient orthopaedic disease of the upper extremity, spine, and lower extremity. In addition, students will be given the opportunity to learn to assess and treat sports injuries, orthopaedic disorders of children, and in the treatment of musculoskeletal tumors. No attendance in the operating room is required. Students are required to attend core lectures in basic orthopaedics by faculty. Reading material includes excerpts from Essentials of Musculoskeletal Care. No late drops.

ORTO 7000. Off Campus. 4 Credit Hours.

All off campus rotations must be approved by the designated faculty member prior to the beginning of the rotation (at least one week before the course begins). Credit will not be given for any rotation that has not been approved in advance. Required paperwork includes: "Course Approval" form, a written letter or email for acceptance from the physician preceptor with the start and end dates of the course/rotation, and a course description of your learning objectives and responsibilities during the rotation. Forms must include a complete address and telephone number for the off campus location or residence address for the student while at the off campus site. Forms will not be approved after the rotation has already begun. Contact the department for assistance with enrolling in this course.

ORTO 7001. Orthopaedics Preceptorship. 4 Credit Hours.

Students are assigned to a practicing orthopaedic surgeon or group from the Clinical Orthopaedic Faculty, either in San Antonio or out-of-town. The student is required to see patients in the surgeon's private office, participate in the care of patients in the emergency room, and be involved in surgical cases. Rotations available include (but not limited to) preceptorships in hand surgery, sports medicine, spinal surgery, total joint replacement, pediatric orthopaedics, and general orthopaedics. A rotation description from the selected site must be turned in to the Orthopaedic Student Administrator.