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 form 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.