

ORTHOPEDIC SURGERY (ORS)

ORS 5803 Prosthetics for Orthopedics (1 Credit)

N. Pulos (Fall, Winter, Spring, Summer) - Lectures and discussions regarding upper and lower extremity Prosthetics for amputations at various levels, includes class participation in the application of immediate-type pylons.

Grading: Standard Letter

ORS 6550 Microvascular Surgery Skills (2 Credits)

W. Anding (Fall, Winter, Spring, Summer) - Prerequisite is student must be involved in or have completed a training program in an approved surgical specialty or subspecialty or be involved as a research fellow, technician, etc.) Forty hours of instruction and practice, which includes the care and adjustment of the operating microscope, the basic techniques of microsurgical suture placement, and microvascular anastomosis of a rat femoral artery and rat femoral vein. Following successful completion of the above measures, the students will extend their application to end to side microvascular anastomosis, as well as epineural and fascicular nerve repair using the rat sciatic nerve model.

Grading: Sat / Unsat

ORS 6851 Orthopedic Diagnosis (6 Credits)

Instruction in patient assessment by history, physical examination, imaging modes, laboratory tests and other adjunctive special evaluation techniques in the investigation of the musculoskeletal system and its disease processes. Included are experiences in outpatient, inpatient and operating room settings. The didactic program includes clinical conferences, lectures and journal clubs.

Grading: Standard Letter

ORS 6852 Adult Reconstruction (3 Credits)

J. Barlow and TBA (Fall, Winter, Spring, Summer) - This course covers all areas of adult reconstructive surgery, including spine, hip, knee, shoulder, elbow, ankle, and foot. Course will include personal teaching on patient assessment, surgical technique, pre- and postoperative care, as well as follow-up care.

Grading: Standard Letter

ORS 6853 Surgery of the Hand (3 Credits)

J. Barlow and TBA (Fall, Winter, Spring, Summer) - Supervised exposure to clinical hand surgery with weekly teaching conference and monthly journal club.

Grading: Standard Letter

ORS 6854 Pediatric Orthopedics (3 Credits)

J. Barlow and TBA (Fall, Winter, Spring, Summer) - Incidence, etiology, evaluation, and treatment of congenital developmental, metabolic, and post-traumatic orthopedic conditions from birth to physiologic maturity.

Grading: Standard Letter

ORS 6855 Orthopedic Oncology (3 Credits)

J. Barlow and TBA (Fall, Winter, Spring, Summer) - Orthopedic oncology residents participate in evaluation and management of patients with various musculoskeletal neoplasms. The surgical experience includes modern limb salvage procedures.

Grading: Standard Letter

ORS 6856 Orthopedic Trauma (3 Credits)

J. Barlow and TBA (Fall, Winter, Spring, Summer) - Instruction in patient assessment by history, physical examination, imaging modes, laboratory tests and other adjunctive special evaluation techniques in the investigation of the musculoskeletal system and its fractures and related injuries. Included are experiences in outpatient, inpatient and operating room settings. The didactic program includes clinical conferences, lectures, and journal clubs.

Grading: Standard Letter

ORS 6860 Basic Knowledge and Motor Skills of Orthopedic Specialties (4 Credits)

N. Pulos (Fall, Winter, Spring, Summer) - This course will cover pertinent basic knowledge and motor skills as it applies to the subspecialties of Orthopedics, including adult reconstruction/ trauma, hand and upper extremity, pediatrics, spine, and sports medicine.

Grading: Standard Letter

ORS 6890 Research in Orthopedics (6 Credits)

TBA (Fall, Winter, Spring, Summer) - Graduate thesis research for Master's students under supervision of staff.

Grading: Sat / Unsat