

ORTHOPAEDIC SURGERY (ORPD)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, please contact the School of Medicine student records coordinator (natalie.harper@louisville.edu).

Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

ORPD 905. Area Health Education Center (AHEC)-Orthopedic Surgery 1-16 Units

Prerequisite(s): Fourth-year standing; arrangements must be made a minimum of six weeks prior to starting the rotation.

Description: In the four-week elective, clinical experience will be obtained in various orthopedic surgery practices in rural Kentucky. The student will be encouraged to participate in the community to gain an understanding of how the community characteristic affects medical care delivery. The preceptors will be board-certified orthopedists.

Note: Method of Evaluation is observation of performance.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

ORPD 906. Clinical Elective/Urban 1-16 Units

Prerequisite(s): Fourth-year standing; ORPD 932 or ORPD 936; arrangements must be made a minimum of four weeks prior to starting the rotation.

Description: This elective will allow the student to obtain experience in a community private practice of an orthopedic surgeon. The student must complete the Off-Campus Request Form and have it approved by the departmental course director.

Note: Method of Evaluation is observation of performance.

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ORPD 907. Clinical Elective/Off-Campus 1-16 Units

Prerequisite(s): Fourth-year standing; ORPD 932 or ORPD 933; arrangements must be made a minimum of four weeks prior to starting rotation.

Description: A clinical experience may be obtained in an approved program in Orthopedics under the supervision of a full-time member of the faculty of a duly recognized educational or research institution. The student must complete the Off-Campus Request Form and have it approved by the departmental course director.

Note: Method of Evaluation is observation of performance.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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ORPD 911. Research in Orthopedics 1-16 Units

Prerequisite(s): Fourth-year standing; arrangements must be made a minimum of four weeks prior to starting rotation.

Description: This four-week elective will allow the student to obtain experience in research by participating in existing research projects of the department. Specific research projects can be arranged with full-time faculty or with a clinical faculty member with departmental approval.

Note: Method of Evaluation is observation of performance.

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ORPD 931. Pediatric Orthopedics 1-16 Units

Prerequisite(s): Fourth-year standing; arrangements must be made a minimum of four weeks prior to starting the rotation.

Description: This elective is available for two or four weeks. Care of multiple musculoskeletal conditions in children and adolescents. Age range of patients is newborn to age 18. Congenital, traumatic, metabolic, neurologic, and sports conditions are treated and evaluated by the pediatric ortho service. Surgical experiences, as well as outpatient office orthopedics and fracture care, are available to students. Weekly conferences - Monday, 5:00 PM - and Tuesday morning fracture conferences are to be part of student rotation. Students will understand basic pediatric orthopedic fundamental of immediate stabilization, diagnosis and treatment in addition to generating appropriate referrals and understanding the timing of those referrals.

Note: Method of Evaluation is observation of performance by residents and attendings.

Course Attribute(s): CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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ORPD 932. Orthopedics 1-16 Units

Prerequisite(s): Fourth-year standing; arrangements must be made a minimum of four week prior to starting rotation.

Description: In this four-week elective, the student, acting as a student intern on one of the two orthopedic services at University of Louisville Hospital, will have primary patient contact, be present at surgery, in clinic, and at faculty offices for follow-up. The outpatient activities include follow-up of patients who have been in the hospital and treatment of outpatients who have fractures. The program also encompasses evaluating and treating the type of problems common to family practice or internal medicine office practices. Students will learn about fundamental orthopedic problems as related to trauma, arthritis, metabolic bone disease, and sports medicine; correlation of orthopedic disease with other aspects of medicine as they would relate to surgery, primary care, (especially ER), rehabilitative medicine, neurosciences and radiology; learn the basic science foundation for orthopedic treatment; develop a diagnostic hypotheses and be able to make therapeutic decisions; and explore orthoped

Note: Method of Evaluation includes evaluation of the student's performance by residents and attendings.

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ORPD 934. Out-Patient Reconstructive Orthopedics 1-16 Units

Prerequisite(s): Fourth-year standing; arrangements must be made a minimum of four weeks prior to starting rotation.

Description: This is a four-week elective. Reconstructive Orthopedics covers a vast array of elective services for relief of degenerative conditions of the musculoskeletal system. These include procedures for shoulder disorders, joint replacement surgery particularly of the hip and knee, foot surgery, procedures for realignment of long bones for relief of pressure on joints and joint fusions. The purpose of the rotation is to offer an ambulatory experience to introduce students to the scope of conditions amenable to orthopedic repair and in the outpatient setting to learn about patient selection, pre-operative teaching, post-operative rehabilitation and non-operative ongoing treatment. This is in the offices and clinics of three experienced reconstructive orthopedists. Students will be introduced to orthopedic medicine as it related to the management of degenerative disorders of the extremities; correlation of specialities in primary care, rheumatology, radiology and rehabilitation medicine; learn fundamental physical diagnosis techniques and interpretation of x-rays of the extremities; and explore an outpatient setting of modern orthopedic medicine.

Note: Method of Evaluation is observation of performance by the attending.

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ORPD 936. Spine Surgery Service 1-16 Units

Prerequisite(s): Fourth-year standing; arrangements must be made a minimum of four weeks prior to starting rotation.

Description: In this four-week elective, the medical student will have a hands-on experience in the evaluation and treatment of adult and pediatric patients with degenerative conditions of the spine, spinal deformities or spine fractures. The student will attend clinics, surgery, ward rounds and conferences. The student will have the opportunity to take patient histories, perform physical examinations, read spine x-ray, myelograms, CT-scans and MRIs. The student will be allowed to scrub-in surgical cases. The student will be required to attend the Monday morning indications conferences and Thursday morning spine conference.

Note: Method of Evaluation is observation of performance by fellows and attendings.

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ORPD 937. Sport Injuries 1-16 Units

Prerequisite(s): Fourth-year standing; arrangements must be made a minimum of four weeks prior to starting rotation.

Description: This two- or four-week elective is intended as an exposure to the practice of orthopedics actively involved in the care of patients with athletic injuries. The course will emphasize the evaluation of the shoulder, elbow, knee and ankle as they affect sports and sports performance. Students will learn about physical examination, when to take x-rays and methods of non-operative care. This course is especially suited for primary care physicians interested in covering sporting events as well as students interested in sports medicine and diagnostic radiology.

Note: Method of Evaluation includes observation of performance by attendings, specific reading assignments, and performance of physical examination skills.

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ORPD 940. Orthopedic Trauma.**1-4 Units****Prerequisite(s):** Fourth-year standing.

Description: AI Selective. This is a four-week course designed to introduce the fourth-year medical student to orthopedic trauma. The course will cover both adult and pediatric patients. Students will be expected to make rounds with the resident on service, evaluate patients in an outpatient setting, and assist with surgeries on a daily basis. Students will also be involved in assessing orthopedic trauma patients in an emergency setting. They will be involved in interpreting diagnostic information including plain X-rays, CT scans, and MRIs. They will be asked to individually perform a history and physical examination and then formulate a diagnosis and treatment strategy for the patients they evaluate. Students will be given a topic to review and discuss with the Fracture Service that is relevant to a specific patient whose care they participated in. Opportunity will be provided for fresh tissue dissection pertinent to current clinical anatomy. They will attend the Department of Orthopedics Grand Rounds, orthopedic resident block conference, and fracture conference. The course will benefit students interested in a career that includes Orthopedics, Emergency Medicine, General Surgery, Plastic Surgery, Radiology, Pediatrics, and Internal Medicine.

Note: Method of Evaluation includes observation of performance, conference attendance, and topic presentation.

Note: This rotation is not available to UofL students in August or September.

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