

DIAGNOSTIC RADIOLOGY (RADI)

Courses numbered 500-799 are considered Graduate-level coursework. Courses numbered 800+ are considered professional/first-professional-level courses.

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/>).

RADI 816. Special Project-Radiology 1-16 Units

Description: This course is to be arranged to fit the individual needs to cover topics of current interest, to participate in research projects or to receive some advanced training.

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

RADI 905. Area Health Education Center Rotation-Radiology 1-4 Units

Prerequisite(s): RADI 911, fourth-year standing; this experience must be scheduled through the clinical coordinator for the Radiology department and the AHEC Office.

Description: A four-week clinical experience will be obtained in various radiological practices in rural Kentucky. The student will be encouraged to participate in the community to gain an understanding of how the community characteristics affect medical care delivery.

Note: Method of evaluation is attendance, observation of performance and participation.

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RADI 906. Clinical Elective-Urban 1-16 Units

Prerequisite(s): RADI 911, fourth-year standing.

Description: This elective allows the student to obtain clinical experience in the private practice of a community radiologist or in a community hospital setting. The goal of the elective is for the student to be a participant in the same hospital. 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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RADI 907. Clinical Elective-Off Campus 1-16 Units

Prerequisite(s): RADI 911, fourth-year standing.

Description: This elective allows the student to obtain clinical experience in an approved program in Diagnostic Radiology 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. 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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RADI 911. Diagnostic Radiology 1-4 Units

Prerequisite(s): Fourth-year standing.

Description: This rotation can be two or four weeks. The goals of this rotation is to expose the student to both clinical and technical aspects of Diagnostic Radiology; to provide a broader understanding of the principles of radiology and with the many imaging modalities used; to provide an understanding of the values and limitations of various imaging studies and how they may best be used in patient management; to review the basic anatomy and pathology as seen on imaging studies; and to provide advice and mentoring of students who are interested in Diagnostic Radiology as a career. Students will rotate through 6 core rotations: Chest, ER, GI/GU, Neuroradiology, Body Imaging and Musculoskeletal. Other subspecialties available upon permission. The student will attend morning readouts with attending and residents, will observe various imaging exams, the working interpretive sessions between the attending and resident and the interaction of radiology with the referral services. Specific didactic

Note: Method of evaluation includes attendance, quality of participation in discussions, multiple choice exam and teaching file case.

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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RADI 913. Interventional Radiology 2-4 Units

Prerequisite(s): Fourth-year standing.

Description: Two or four weeks. Students will be expected to observe and assist in a wide variety of procedures including, but not limited to, venous access, arteriography, chemoembolization, image guided biopsies, radioembolization, TIPS, and percutaneous vertebroplasty. The student expected to attend any vascular & interventional conferences provided by the faculty. The student will not take call. Reporting time is 7:30 am and will assist the rotating resident in consenting the patients prior to procedures. Method of Evaluation: The student will prepare and present a case observed during the rotation, attendance policy is strictly enforced, the student evaluation is based on their attendance & availability, quality of participation in cases and the case presentation.

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RADI 916. Basic Imaging Skills for Pediatric Care **1 Unit**

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): 2nd year standing.

Description: This elective is a lecture series discussing imaging topics critical to pediatric practice. It is set up as a "how to" seminar designed to teach medical students basic skills for approaching/interpreting scans using various imaging modalities. The series will consist of 7 1-hr sessions; 6 lectures and 1 final exam. Students will be expected to study 1 hour outside of class per lecture hour and 2 hours per exam hour. The topics discussed include how to: Read a chest X-Ray, interpret Emergent Abdominal Imaging, Locate Fractures, Read Emergency, Head CT's, Image the Enlarged or Misshapen Infant Head, Identify imaging findings of child abuse, Overall, the course targets medical students interested in pediatrics, teaching the basic principles of radiology with an emphasis on recognizing significant pediatric pathology and emergent conditions regardless of specialty.

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