

# RADIOLOGY (RADI)

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## RADI 5005 - Clinical Ultrasound (1-2 Credits)

Ultrasound is being used by clinicians in many different settings for many different applications. This elective will introduce students to many of the primary applications for clinician-performed ultrasound. All of the meetings times will be devoted to hands-on ultrasound scanning. The scanning sessions will be in a small group setting with no more than six students per ultrasound machine. Students will be provided with pre-scanning session didactic materials to review.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring.

## RADI 5006 - 3D Printing Applications in Radiology (1 Credit)

An introduction to applications of 3D printing as it relates to radiology. Students will attend workshops on 3D printing along with conducting independent reading and study. The goal of the course is to gain understanding of the uses of this technology and create a 3D printed model.

Grading Basis: Pass Fail with IP

Typically Offered: Summer.

## RADI 7001 - Pediatric Radiology Selective - Children's Hospital (8 Credits)

Students will gain an understanding of the basics of pediatric imaging and correlation with anatomy and pathology. Students will learn the indication for and basic approach to interpretation of all imaging modalities including: x-ray, ultrasound, fluoroscopy, CT, MRI, nuclear medicine.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

## RADI 8000 - Diagnostic Radiology (4-8 Credits)

An introduction to the interpretation of images and the role of diagnostic imaging in patient care. Clinical observation, lectures, and independent study at UH/AOP. Only 2 days of absence permitted for any reason.

Restrictions: Course not available sections 29 & 33. 4 wks. Max:4.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

## RADI 8001 - Radiology for Non-Radiologists (2 Credits)

Two-week course providing specialty focused radiology education, designed to help students be prepared for both internship year and their future career. Students will spend time with specific sub-specialty trained radiologists, based on interest, while reviewing foundational radiology course work.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

## RADI 8002 - Nuclear Medicine (4-8 Credits)

Max:2. Nuclear Medicine encompasses the various uses of radioactive compounds in medical diagnosis and therapy. Students participate in the supervision and interpretation of nuclear medicine procedures under the guidance of the staff/residents at the AOP. Students will attend daily conferences.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

## RADI 8003 - Pediatric Radiology (4-8 Credits)

Students will gain an understanding of the basics of pediatric imaging and correlation with anatomy and pathology. Students will learn basic approach to performance and interpretation of all imaging modalities including: x-ray, ultrasound, fluoroscopy, CT, MRI, nuclear medicine.

Grading Basis: Medical School HP

Typically Offered: Fall, Spring, Summer.

## RADI 8005 - Imaging Elective Fort Collins Branch (8 Credits)

Students will participate an imaging elective to include observation of Radiologists, , observation of obstetrics ultrasound in an OBGYN practice, and Point of Care Ultrasound (POCUS). The student will engage with a variety of imaging opportunities throughout different specialties, and will also have the opportunity for some online learning and modules.

Grading Basis: Pass Fail with IP

Typically Offered: Spring.

## RADI 8007 - Interventional Radiology (4-8 Credits)

2-4 wks. Max: 3. Interventional Radiology is the treatment of disease conditions using minimally invasive means. These procedures are performed with X-rays, US, and CT guidance. The student will round with the team, participate in procedures, and attend daily conferences. Standard student evaluation used.

Grading Basis: Medical School HP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

## RADI 8008 - Virtual Interventional Radiology (4 Credits)

Virtual introduction to Interventional Radiology, the field of diagnosis and treatment of disease conditions using minimally invasive image (fluoroscopy, US, CT) guided procedures.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

## RADI 8009 - Virtual Diagnostic Radiology (8 Credits)

This virtual course with some independent study, pre-work, and virtual sessions will allow students to appropriately order appropriate radiologic studies, perform accurate basic image interpretations, and help prepare you to how to develop a thoughtful approach to using imaging to evaluate common clinical scenarios for interns.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

## RADI 8050 - Interventional Radiology - CSB (4 Credits)

Patient care in relation to interventional radiology-inpatient setting. Procedures may include intravascular emergencies, lines, PEG tube - CT guided procedures; ultrasound guided procedures; drain placements and observing radiology readings. Instructor consent required.

Grading Basis: Pass Fail with IP

Typically Offered: Fall, Spring, Summer.

## RADI 8100 - RADI Elective Away (4-8 Credits)

This Radiology elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. For rotation approval, students must first provide name, address, and phone number of preceptor to the course director. Students maintain sole responsibility for obtaining written evaluation. Offered 2 or 4 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 8.

Typically Offered: Fall, Spring, Summer.

RADI 8600 - Research in Radiology (4-24 Credits)

Student must submit a research project description and the name of their preceptor to the course director prior to the start of the elective. Student is responsible for obtaining written evaluation 2 week rotation not Honors eligible.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

RADI 8630 - RADI Research Away (4-24 Credits)

This Radiology research elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2, 4, 8 or 12 weeks.

Grading Basis: Pass Fail with IP

Repeatable. Max Credits: 24.

Typically Offered: Fall, Spring, Summer.