

RDLGY 7063 Course Syllabus

Course Title: Musculoskeletal Imaging

Course Number: RDLGY 7063

Course Dates:

Credits: 2 Credits

Course Times: M-F 9:00 AM – 3:00 PM

Conference Times: Daily Noon Conference

Classrooms: Radiology Imaging Consultation Room (MSK)

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Course Description

Radiology 7063 is a 2-week elective provides a general overview of musculoskeletal imaging. The course is intended to introduce students to the various modalities employed in musculoskeletal imaging, including conventional radiography, ultrasound, CT (computed tomography) and MRI (magnetic resonance imaging). Students will also be responsible for dictation of several radiographs, reviewing findings with the attending, and editing the reports on a daily basis. At the conclusion of the two week course, students should gain a familiarity with the appropriate ordering, protocoling and interpreting of fundamental imaging studies within the musculoskeletal system.

Course Objectives

After successfully completing this course you will be able to:

- Discuss the strengths and weakness of various imaging modalities in abdominal imaging, including conventional radiography, ultrasound, CT and MRI.
- Learn how to utilize appropriateness criteria as outlined by the ACR (American College of Radiology) to select the most appropriate imaging exam for a variety of clinical scenarios.
- Obtain a rudimentary knowledge of musculoskeletal anatomy on various imaging modalities.
- Learn how to recognize fundamental disorders in the musculoskeletal system on imaging studies.

Reading Resources

- Canvas: Musculoskeletal Imaging learning modules
- Book: Learning Radiology Recognizing the Basics 4th Edition by William Herring MD
Review Chapter 21 - 24 pertaining to MSK imaging. (Digital copy available online through Marriot Library)

Case Conference Participation - 12:00 – 1:00 PM Daily

Students are expected to participate in case conferences which are held at noon in person or via Zoom.

Instructions:

FOR NOON CONFERENCES

1) Attend in person at the Large Conference Room next to the Radiology Admin Office or join Zoom meeting link <http://utah.zoom.us/j/92431501169> Meeting ID: 924 3150 1169

FOR NUCS* NOON CONFERENCES

2) Attend in person at the Large Conference Room next to the Radiology Admin Office or join Zoom meeting link <https://utah.zoom.us/j/98303077418> Meeting ID: 983 0307 7418

FOR GRAND ROUNDS**

3) TBA

Conference Schedule

Date	Department Presenting	Presenter

Tips for Success

1. **Participate.** This class requires engagement and having discussions with the reading room mentors is a critical part of the course. You can learn a great deal from discussing your questions, ideas, and perspectives with your mentors. Participation can also help you articulate your thoughts and develop critical thinking skills.
2. **Manage your time.** Make time for self-study and online learning each week. If there are opportunities to job shadow in ultrasound or in the MRI/CT scan rooms, plan ahead and be on time for scheduled procedures. Talk to course director about scheduling these opportunities.
3. **Login regularly.** Log in to Canvas several times a week to view learning modules and cases. Review course book and other optional reading assignments to gain knowledge in body imaging.
4. **Test your knowledge.** Test your knowledge with the Canvas practice cases. After you become more familiar with the images and technology used to diagnose, put your knowledge to the test with the Canvas practice cases and quizzes for this course.
5. **Communicate.** If you need help with Canvas, questions with course schedule, connecting to online conferences, or other related course matters, reach out to MS Coordinator for support.

Course Grade and Evaluation

Each student will be evaluated by their mentors at the end of this 2-week elective course with a course grade of Pass, Fail, or Incomplete. Mentors will be watching for participation, engagement, attendance, professionalism, and student’s ability to share gained knowledge through this self-paced course.