

# 680H Ultrasound Diagnostic Radiology

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**Course Name** Ultrasound Diagnostic Radiology

**Course Director** Mohammad Helmy, MD

**Academic Year** 2020-2021

## 1. Course Director, Coordinator and General Administrative Information

### FACULTY AND STAFF

Name	Office Location	Phone	Email
Director: Mohammad Helmy, MD	Bldg. 1, Rt. 140	714-509-2802	mhelmy@uci.edu
Coordinator: Shelley Mueller	Bldg. 20	714-509-2802	mueller2@uci.edu

### DESCRIPTION

Students will primarily observe performance and interpretation of general, vascular, and early obstetrical ultrasound examinations. Students will have the opportunity to participate in scanning of select cases. Students are taught primarily by the attending, fellow, and resident(s) on the service. There are no formal required reading assignments, but students will receive recommended readings and educational resources. The content of material taught will be guided by the mix of clinical cases as well as teaching file cases. By the completion of this elective, the student will have a grasp of the role and scope of ultrasonography in diagnosis across multiple disciplines. This elective will be of particular value for students considering careers in Diagnostic Radiology, Internal Medicine, Surgery, Obstetrics and Gynecology, and Pediatrics.

### PREREQUISITES

This course is intended for 3<sup>rd</sup> and 4<sup>th</sup>-year students enrolled in the undergraduate medical education program at University of California, Irvine School of Medicine (UCISOM).

### RESTRICTIONS

This course is intended for 3<sup>rd</sup> and 4<sup>th</sup>-year students enrolled in the undergraduate medical education program at University of California, Irvine School of Medicine (UCISOM).

**COURSE DIRECTOR**

Dr. Helmy has worked in higher education since 2008 and has been involved in curriculum development and review during much of his career. He and the radiology team have been the recipients of multiple teaching awards. Dr. Helmy serves as the Chief of Body Imaging and Medical Director of Ultrasound at UCIMC.

Shelley Mueller is the course coordinator and has been involved in health education since 2013. She is passionate about the quality of education of our medical students and aims to ensure they have a smooth and enjoyable experience in our department.

**INFORMATION FOR THE FIRST DAY**

Who to Report to First Day: Shelley Mueller

Location to Report on First Day: Building 20 (Badge-ID staff only entrance)

Time to Report on First Day: 8:45 am

**SITE:** UC Irvine Medical Center

**DURATION:** 1 week only; additional weeks need approval from the department.

**Scheduling Coordinator:** UC Irvine students please call (714) 456-8462 to make a scheduling appointment.

**Periods Available:** The time of the course must be pre-approved by the elective director at least 1 month prior to the start of the course.

**NUMBER OF STUDENTS ALLOWED:** 1 per rotation

**WHAT STUDENTS SHOULD DO TO PREPARE FOR THE COURSE**

Arrive with an eagerness to learn, review welcome announcement from course coordinator prior to start of the rotation

**COMMUNICATION WITH FACULTY**

Questions about logistics should be directed to the Course Coordinator. Questions, comments, or concerns about the course content, schedule, or expectations can be directed to the supervising physician(s) and Course Director. Contact information and office location are at the beginning of this document.

The Course Director is also available to meet in person. Please email [mueller2@uci.edu](mailto:mueller2@uci.edu) to arrange an appointment. To ensure that your email will not be lost in the large volume of email received, please use the following convention for the subject line:

SUBJECT: COURSE NAME, your last name, your issue (e.g. XXX, Smith, Request for appointment)

## 2. Course Objectives and Program Objective Mapping

The following are the learning objectives for the 680H course. Students are expected to demonstrate proficiency in these areas in order to satisfactorily complete the course. In addition, the extent of a student's mastery of these objectives will help guide the course evaluation and grade.

Course Objective	Mapped UCI School of Medicine Program Objective	Sub Competency	Core Competency
Understand the role and scope of ultrasonography in patient care.	A-5. Knowledge of medical practice, including healthcare economics and health systems impacting delivery and quality of patient care	Medical Practice	Knowledgeable
Understand the indications and limitations of the most common ultrasound examinations.	B-6. The ability to function effectively within the context of complexity and uncertainty in medical care	Patient Management	Skillful
Review key anatomic landmarks, terminology, and technical specifications in diagnostic ultrasonography.	A-3. Knowledge of basic clinical skills required to meet the skills objectives, including interviewing, physical diagnosis, communication and clinical reasoning processes	Basic Clinical Skills	Knowledgeable

## 3. Course Resources

**TEXTS AND READINGS:** Suggested readings and online resources will be provided to the students and are tailored to their areas of interest/future training.

## 4. Major Exams, Assignments and Grading

### **MAJOR ASSIGNMENTS AND EXAMS**

Daily attendance is a requirement. The student is expected to be engaged and participate in all elements of patient care and image interpretation. Professional behavior is expected at all times and inappropriate use of electronic devices during patient care is not permitted.

The student will be given an opportunity to offer a thematic case-based presentation at the conclusion of the rotation to be eligible for an Honors grade.

### **GRADING**

Medical Students are graded using the following scale: Honors (H), Pass (P), Fail (F) and Incomplete (I). For further information, please review the [Grading Policy](#).

The student will receive a grade of Honors, Pass or Fail. The student's final grade will be submitted on the standard UC Irvine elective form. The student will be evaluated by attendings and residents in the areas of interest, participation, completion of work undertaken, quality of understanding, knowledge base, professionalism, attendance, observational skills, and by asking appropriate questions. Written evaluation by supervising physician. If the student fails the elective a grade of "F" will be permanently recorded on his/her transcript. The student can repeat the course for a second grade, however, the "F" will not be removed from the transcript. Written evaluation by supervising physician.

You have 30 days from the date of the grade to appeal any aspect of this grade. Please contact your Clerkship/course Director should you have any questions.

**Requirements for "Pass":** To receive a grade of Pass, students must demonstrate successful performance in all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

**Requirements for "Honors":** To receive a grade of Honors, students must demonstrate exceptional performance all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism

- Systems-Based Practice

To be eligible for an “Honors” grade, the student will be expected to give a thematic case-based presentation at the conclusion of the rotation.

***Grounds for “Incomplete”:*** You will not be issued a grade until all elements of the course have been completed.

**REMEDIATION**

Remediation, if needed will be designed by the Course Director to suit the issue at hand.

**Grounds for “Fail”:** You will receive a grade of "Fail" if the requirements for passing the course have not been met. Please refer to the [Grading Policy](#) for the impact of the "Fail" grade to the transcript.