

# SONOGRAPHY LAB (SONL)

---

## **SONL 2211 Ultrasound Physics and Instrumentation Laboratory 1**

**Credit Hours:** 1

**Prerequisites:** Admission to the Diagnostic Medical Sonography program required

**Lab Fee:** Yes

This course emphasizes study of the principles of diagnostic ultrasound, the fundamental properties of ultrasonic physics, stressing tissue interactions and interfaces. Focusing characteristics, methods, intensity, and power considerations are introduced along with system resolution considerations.

## **SONL 2212 Ultrasound Physics and Instrumentation Laboratory 2**

**Credit Hours:** 1

**Lab Fee:** Yes

This course emphasizes study of the principles of diagnostic ultrasound, the fundamental properties of ultrasonic physics, stressing tissue interactions and interfaces. Focusing characteristics, methods, intensity, and power considerations are introduced along with system resolution considerations.

## **SONL 2941 Directed Study Practicum**

**Credit Hours:** 1-3

This course is the practical application of all the material presented and requires the student to make judgment decisions regarding current acceptable clinical practices. Professional interaction with other professionals and patients is stressed. The student is expected to progress to the point where, after successful testing, he or she may be accepted as a competent sonographer for general, vascular, and breast sonographic exams.