

DMS A155: INTRODUCTION TO VASCULAR ULTRASOUND

Item	Value
Top Code	122700 - Diagnostic Medical Sonography
Units	2.5 Total Units
Hours	63 Total Hours (Lecture Hours 36; Lab Hours 27)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	Yes
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

This course is an introduction to vascular ultrasound including Doppler physical principles and instrumentation. The venous system of the upper and lower extremities is emphasized this semester. PREREQUISITE: DMS A150. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Integrate and analyze knowledge of venous vascular sonography; differentiate between normal and abnormal findings.

Course Objectives

- 1. Apply physical principles of hemodynamics and Doppler instrumentation to venous sonography.
- 2. Discuss and demonstrate technical aspects of venous scanning of the upper and lower extremities.
- 3. Demonstrate knowledge of signals produced by venous blood flow.
- 4. Identify and describe anatomy of venous system of upper and lower extremities.
- 5. Identify and describe pathophysiology of venous system of upper and lower extremities.
- 6. Discuss ultrasound-guided procedures in the venous system.

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- Lab (04)
- DE Live Online Lab (04S)