

Course Objectives/Course Outline
Spokane Community College

Course Title: Vascular Procedures

Prefix and Course Number: ECHO 122

Course Description: This course introduces students to basic vascular testing methods of the lower and upper extremities, abdomen, visceral organs and cerebral vasculature with emphasis on ultrasound testing of these systems; concepts essential for the performance and interpretation of vascular exams are also included. Laboratory experiences are required.

Course Learning Outcomes:

By the end of this course, a student should be able to:

- List the vascular testing modalities associated with each vascular system and explain the findings associated with these tests
- Demonstrate ability to perform each testing modality
- Understand results, capabilities and limitations of vascular testing modalities
- Identify the appropriate test to be performed as indicated by patient symptoms
- Demonstrate a continued knowledge of the vascular system and visceral organs, their function as well as their locations as they pertain to vascular testing modalities.

Course Learning Outline:

- I. Describe the protocol and procedures for testing in cerebrovascular, peripheral vascular and visceral vascular.
- II. Perform duplex sonographic examinations in extracranial cerebrovascular, peripheral vascular and visceral vascular.
- III. Perform patient history review seeking pertinent information as it relates to the cerebrovascular and peripheral vascular circulation examination.
- IV. Practice sonographic techniques in ergonomically safe manner.
- V. Participate in and contribute to all class and group discussions / activities / assignments in professional manner.