

Course Objectives/Course Outline
Spokane Community College

Course Title: Echocardio
Prefix and Course Number: ECHO 251

Course Description

This course will provide hands-on experience in the hospital and clinic environment. Emphasis will be placed on the development of clinical technique in the utilization of current echocardiographic instrumentation in the evaluation of acquired cardiovascular disease. The student will apply the principles of medical legal ethics and professionalism to the patient, physician and other members of the health team. Clinical case reports are required.

Course Learning Outcomes:

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

- Perform a limited echocardiographic examination under the supervision of a skilled technologist
- Recognize and tailor the echocardiographic examination to identify the cardiovascular abnormality present
- Demonstrate professional conduct in the clinical setting
- Quantitate and qualitatively evaluate the M-mode, Two- dimensional and Doppler echocardiographic examination
- Assist the staff technologist in all other noninvasive cardiovascular procedures performed within the lab.

Course Outline:

- I. Clinical Orientation, Policy and Procedures
- II. Current Echocardiographic Instrumentation
- III. Logging and Recording of Patient Information
- IV. Preparing the Patient for Echocardiographic Examination
- V. Clinical Application of Medical Ethics
- VI. Performing Echocardiographic Examinations
- VII. Presentation of Clinical Case Studies