

Print Date: 3/27/19

**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Echo Fundamentals Lab

**Prefix and Course Number:** ECHO 130

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**Course Learning Outcomes:**

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

- Image and identify gross and tomographic anatomy
- Identify normal cardiac anatomy within the heart
- Describe in anatomical terms the location of different anatomic structures in relationship to other anatomic structures
- List the items of a scanning protocol in order without a printed copy
- Label and measure 2D, M-mode, and Doppler information accurately
- Correctly implement the major modes of ultrasound (2D, M-mode, Color Doppler, and Spectral Doppler)
- Recognize artefactual interference and correct it

**Course Outline:**

- I. Protocol review and test
- II. Demonstration of echocardiogram
- III. Progressive building of the protocol each week
- IV. Introduction of imaging modes (2D, M-mode, Color Doppler, and Spectral Doppler)
- V. Final practical exam