

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

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**Course Title:** Technical Skills Echocardiography II

**Prefix and Course Number:** ECHO 264

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**Course Description**

A continued study of cardiac noninvasive diagnostics with emphasis on the new developments and specialty applications. Laboratory experiences are provided in a clinical simulation format to develop the essential skills in the performance of the Doppler Echo imaging techniques. This course integrates the complete echocardiographic examination utilizing both fundamental and advanced techniques in a clinical simulation environment.

**Course Learning Outcomes:**

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

- Perform independently diagnostic cardiac ultrasound examinations
- Adapt the cardiac ultrasound examinations to acquired and congenital cardiac abnormalities
- Independently perform quantitative and qualitative assessment of the cardiac ultrasound examinations
- Perform stress echocardiography examination using a treadmill

**Course Outline:**

- I. Completion of diagnostic cardiac ultrasound within a clinical simulation setting
- II. Performance of stress echocardiogram
- III. Performance of evolving imaging techniques such as 3D, DTI, TEE