

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

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**Course Title:** Survey of Cardiac Sonography

**Prefix and Course Number:** SONO 123

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**Course Description:** A survey of basic fetal and adult cardiac sonography with an emphasis on normal cardiac development, normal anatomy, congenital defects, and acquired heart disease states. Standard sonographic imaging techniques of fetal and adult cardiac structures, instrumentation and examination protocols will be reviewed. Laboratory experience is required.

**Course Learning Outcomes:**

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

- Identify normal anatomy of the fetal and adult heart.
- Recognize abnormal disease states related to the fetal and adult heart.
- Recognize the sonographic appearance of fetal and adult cardiac anatomy in normal and diseased states.
- Perform limited cardiac sonographic examinations.

**Course Outline:**

- I. Embryology of the cardiovascular system
- II. Cardiac mechanical and electrical conduction systems
- III. Sonographic evaluation of congenital cardiac defects in the fetus and neonate
- IV. Sonographic evaluation of acute acquired adult heart disease
- V. Sonographic evaluation of chronic acquired adult heart disease
- VI. Develop cardiac sonography imaging skills