

Print Date: 6/3/15  
**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Comparative Imaging Analysis  
**Prefix and Course Number:** ECHO 136

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The student will be exposed to normal anatomy and pathology cases that combine diagnostic medical sonography, computed tomography, magnetic resonance imaging and angiography. The student will gain an understanding of how diagnoses are made and patients are managed on the basis of findings from multiple imaging modalities.

**Course Learning Outcomes:**

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

- Identify normal anatomy from multiple imaging modalities.
- Identify, describe, and analyze pathologic changes on multiple imaging modalities.
- Describe and analyze the method of diagnosis and management of various cardiovascular diseases using a case study based approach.

**Course Outline:**

- I. Normal anatomic structures
  - A. Diagnostic Medical Sonography
  - B. Computed Tomography
  - C. Magnetic Resonance Imaging
  - D. Angiography
- II. Pathologic anatomic changes
- III. Diagnostic and Management pathways
  - A. Congenital heart disease
  - B. Acquired heart disease
  - C. Peripheral vascular disease