



**BAKER COLLEGE**  
**STUDENT LEARNING OUTCOMES**

**CAS 2950 Cardiac Sonography Capstone**  
**5 Semester Credit Hours**

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**Student Learning Outcomes and Enabling Objectives**

1. Interpret a complete echocardiogram exam using all modes, routine views, and measures according to standardized clinical and lab protocols, as an entry-level cardiac sonographer.
  - a. Complete a Final Mock Board Exam.
  - b. Complete weekly practice exams.
  - c. Complete weekly study guides.
2. Evaluate specialty echo exams.
  - a. Evaluate a 3D Echo exam.
  - b. Evaluate a Strain Echo exam.
  - c. Evaluate a Stress Echo exam.
  - d. Evaluate a Transesophageal (TEE) Echo Exam.
3. Evaluate case studies.
  - a. Analyze left ventricular ejection fraction.
  - b. Analyze cardiac chamber sizes.
  - c. Analyze cardiac valvular function.
  - d. Complete an echocardiography report using appropriate medical terminology.

**Big Ideas and Essential Questions**

**Big Ideas**

- Evaluation of complete echocardiograms
- Specialty echo exams
- Topics in echocardiography
- Board Exam

**Essential Questions**

1. How do sonographers interpret an echocardiogram using all modes and measurements?
2. What is the sonographer's role in specialty exams?
3. How do sonographers evaluate ejection fraction, cardiac chamber sizes and valvular

function?

4. How do students apply knowledge of all echocardiography modes and measurements to prepare for board exam?
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These SLOs are not approved for experiential credit.

**Effective: Summer 2024**