

Course Objectives/Course Outline
Spokane Community College

Course Title: Cath Lab Procedures

Prefix and Course Number: ICT 134

Course Learning Outcomes:

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

- Describe the risks of angiography and identify cardiovascular anatomy seen on angiograms
- Describe cardiac catheterization: risks, indications, contraindications, approaches, techniques and findings
- Perform basic invasive calculations such as cardiac output, shunts, resistance and valve area
- Describe interventional cardiac procedures such as angioplasty, balloon pump and cardiac surgery

Course Outline:

- I. Cardiac Cath
 - A. History
 - B. Preparation
 - C. Indications
 - D. Complications
 - E. Equipment
- II. Coronary Arteriography
 - A. Techniques
 - B. Technical Features
 - C. Anatomy of Coronary Arteries
 - D. Complications
 - E. Circulation Abnormalities
- III. Interventional Cardiology
 - A. Angioplasty
 - B. Other Interventional
 - C. IABP
 - D. Cardiac Surgery
 - E. Cath Lab Drugs
 - F. Clinical Management
 - G. Pediatric Cath
 - H. Managing Acute MI