

Course Objectives/Course Outline
Spokane Community College

Course Title: PFT Clinical I

Prefix and Course Number: RT 325

Course Learning Outcomes:

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

- The Student will observe at least SIX studies to include:
 - Spirometry
 - Spirometry with a Bronchodilator
 - Flow/Volume Loop (at least two of these)
 - Nitrogen Washout or Helium Dilution
 - Diffusion (DLCO)
 - Body Plethysmography
 - Blood Gases
 - Allen's test
 - Minimum of Two Blood Gas Draws
- The Student will assist or perform at least SIX studies to include:
 - Spirometry
 - Spirometry with a Bronchodilator
 - Flow/Volume Loop (at least two of these)
 - Nitrogen Washout or Helium Dilution
 - Diffusion (DLCO)
 - Body Plethysmography
 - Blood Gases
 - Allen's test
 - Minimum of Two Blood Gas Draws

Course Outline:

- I. Electronic medical record training on EPIC
 - A. Sign on with user number and password
 - B. Navigate the patient chart for orders and other information
 - C. Demonstrate correct use of system on daily clinical rotations
- II. Orientation to facility to include tour, with log in sheets, and timelines for notebook reviews.
- III. Participating in scheduling daily assignments
- IV. Completion of all observation objectives
 - A. Spirometry
 - B. Pre/Post spirometry
 - C. Lung volume determination
 - D. Diffusion
 - E. Drawing arterial blood gases
- V. Completion of all performance objectives
 - A. Spirometry
 - B. Pre/Post spirometry

- C. Lung volume determination
 - D. Diffusion
 - E. Drawing arterial blood gases
- VI. Completion of, daily logs, physician interactions, preceptor evaluations and additional options leading to final grade