

Course Objectives/Course Outline

Spokane Community College

Course Title: LINEAR DEVICES LAB
Prefix and Course Number: ELECT 216

Learning/Performance Expectations (e.g., outcomes, performance objectives, competencies, etc.)

AT THE COMPLETION OF THIS COURSE, A STUDENT SHOULD BE ABLE TO:

- Operate electronic and mechanical devices using basic safety procedures
- Construct circuits containing linear devices
- Demonstrate basic soldering skills
- Use power sources, signal generators, DC and AC meters, and Oscilloscopes to evaluate and troubleshoot basic Linear circuits

COURSE OUTLINE:

- I. Safety
- II. Thyristor Circuits
- III. Frequency Effects
- IV. Amplifiers
- V. Filters
- VI. Signal Generation
- VII. Power Supplies
- VIII. Troubleshoot Basic Solid State Circuits