

Course Objectives/Course Outline

Spokane Community College

Course Title: Aircraft Fiber Optic Systems

Prefix and Course Number: AVIO& 104

Course Learning Outcomes:

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

- Identify and demonstrate practices common to fiber optic safety
- Explain light theory as applied to fiber optics
- Install, maintain, troubleshoot, and repair fiber optics
- Demonstrate proper handling during installation, assembly, cleaning, troubleshooting, and repair processes
- Determine light loss budget for cable assemblies

COURSE OUTLINE:

- I. Course Overview
- II. Safety Practices
- III. Describe fiber optics theory
- IV. Define common fiber optic terms
- V. List proper procedures to handle fiber optics
- VI. Assemble and repair fiber optic cables and terminals
- VII. Install, clean, and test fiber optic assemblies