

Course Objectives/Course Outline

Spokane Community College

Course Title: Aircraft Wiring Systems

Prefix and Course Number: AVIO& 103

Course Learning Outcomes:

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

- Demonstrate proper safety procedures while using tools and equipment
- Identify calibration and certification requirements, troubleshooting procedures, and remove and replace techniques
- Use wiring diagram manuals and standard wiring practices manual
- Perform wiring system inspections
- Identify the best practices for routing and installation of wires and connectors
- Repair wires and connectors

COURSE OUTLINE:

- I. Course Overview
- II. Safety Practices
- III. Electrostatic Discharge Sensitive Devices
- IV. Tools and Equipment
- V. Calibration and Certification Requirements
- VIII. Wire Identification
- IX. Wire Selection
- X. Wiring Diagrams and Manuals
- XI. Wires and Connector general housekeeping Practices
- XII. Wiring System Inspections
- XIII. Wire Repairs
- XIV. Connector Repairs
- XV. Troubleshooting Procedures
- XVI. LRU Replacement Techniques