



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Electrical Safety, Meters, and Material Identification

Course Number: PIP167

Required Materials

Textbook(s): Custom - Basic Electricity

Required Readings:

Additional Materials: Miscellaneous Handouts

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

| Week | Chapter/Topic/Lab |
|------|--|
| 1 | Basic Electricity Chapter 1 Lecture – Chapter 1 Quiz |
| 2 | Electrical Hazards Workplace Safety Fundamentals |
| 3 | NFPA 70E Arcflash Training Part 1 |
| 4 | NFPA 70E Arcflash Training Part 2 |
| 5 | Test NFPA 70E |
| 6 | Lockout/Tagout (LOTO) Procedures |
| 7 | Introduction to Electrical Measurement Tools |
| 8 | Voltage and Current Measurements |
| 9 | Resistance, Continuity, and Insulation Testing |
| 10 | Advanced Meter Functions |
| 11 | Electrical Materials and Component Identification Part 1 |
| 12 | Electrical Materials and Component Identification Part 2 |
| 13 | Using Meters in Troubleshooting Scenarios |
| 14 | Material Identification Lab |
| 15 | Comprehensive Meter Use Lab |
| 16 | Practical Skills Assessment/Final Exam |