

MNT-110 Introduction to Maintenance Procedures

COURSE DESCRIPTION:

Prerequisites: None

Corequisites: None

This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other scheduled maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards.

LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to:

1. Use safe practices and procedures with tools, materials and test equipment
2. Demonstrate use of common hand tools used in industrial maintenance
3. Identify grades of bolts and fasteners and demonstrate proper tightening techniques
4. Describe the operation of and assembly of mechanical power transmissions systems
5. Identify bearings, seals, gaskets, and packing material and demonstrate appropriate assembly techniques
6. Perform preventative and predictive maintenance and mechanical troubleshooting

OUTLINE OF INSTRUCTION:

1. Introduction to troubleshooting
2. Working with Other People
3. Troubleshooting Techniques
4. Aids to Troubleshooting
5. Preparing for Troubleshooting
6. Using Schematics and Diagrams
7. Solving Mechanical Problems
8. Solving Electrical Problems
9. Breakdown Maintenance
10. Planned Maintenance

REQUIRED TEXTBOOK AND MATERIAL:

The textbook and other instructional material will be determined by the instructor to ensure that current, relevant concepts and theories are present.

Suggested references, handouts and visual aids to be announced. Students will need a basic calculator and OSHA approved safety glasses.