

MFG 246 : MECHANICAL TROUBLESHOOTING

Transcript title

Mechanical Troubleshooting

Credits

2

Grading mode

Standard letter grades

Total contact hours

60

Lab hours

60

Prerequisites

instructor approval.

Recommended preparation

MFG 100.

Course Description

This course is an overview of mechanical drive systems and safety, key fasteners, power transmission systems, lubrication concepts, plain bearings, ball bearings, roller bearings, and gaskets and seals.

Course learning outcomes

1. Student will apply safe methods of inspecting mechanical drive systems.
2. Student will identify and use key fasteners.
3. Student will troubleshoot mechanical power transmission systems.
4. Student will identify and use lubrication concepts in machine troubleshooting.
5. Student will describe the different types of bearing and their uses.
6. Student will describe the different types of gaskets and seals and their uses.