

MFG 270 : CNC FIXTURE DESIGN MILL

Transcript title

CNC Fixture Design Mill

Credits

3

Grading mode

Standard letter grades

Total contact hours

70

Lecture hours

10

Lab hours

60

Prerequisites

MFG 119 and MFG 257.

Course Description

Provides methods beyond the basic use of a vice in order to hold and machine irregularly shaped parts using a mill.

Course learning outcomes

1. Create fixtures to hold irregularly shaped parts.
2. Evaluate best way to position parts on a computer numerical control milling machine.
3. Use computer aided drafting system to generate models of fixtures.

Content outline

1. Different options for holding parts on CNC machines
2. Vertical vs horizontal part holding options
3. Automated fixture options
4. Fixturing different types of material

Required materials

Required textbook.