

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

- Different options for holding parts on CNC machines
- Vertical vs horizontal part holding options
- Automated fixture options
- Fixturing different types of material

Required materials

Required textbook.