

# MFG 207 : FABRICATION II

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## Transcript title

Fab II

## Credits

4

## Grading mode

Standard letter grades

## Total contact hours

80

## Lecture hours

20

## Lab hours

60

## Prerequisites

MFG 197.

## Course Description

Expands on the fundamental skills gained in the introductory course to include layout of structural shapes for assembly, use of precision measuring tools for fabrication, and effective use of fabrication tools in unconventional assemblies.

## Course learning outcomes

1. Practice industry standards for shop safety, personal safety, and general work habits.
2. Operate fabricating tools and related equipment correctly.
3. Identify and select materials used in fabrication.
4. Execute basic layout procedures used in fabricating.

## Content outline

1. Layout practices utilizing precision layout tools
2. Shop equipment identification and uses
3. Precision layout of subassembly components
4. Fasteners and uses in fabrication
5. Materials and structural shape identification
6. Equipment operation and setup

## Required materials

This class requires the purchase of safety equipment, reference books, measurement equipment, and tools.