

MFG 266 : MANUFACTURING COST ESTIMATION

Transcript title

Manufacturing Cost Estimation

Credits

2

Grading mode

Standard letter grades

Total contact hours

60

Lab hours

60

Prerequisites

instructor approval.

Recommended preparation

MFG 100.

Course Description

Cost estimation techniques used in the analysis and planning of manufacturing projects. Includes software estimates, manufacturing costs, standard vs. actual costs, fixturing and welding-related topics.

Course learning outcomes

1. Student will understand why estimation is an important factor in planning operations.
2. Student will distinguish between standard and actual cost analysis data.
3. Student will research and establish estimation costs based on shop standards and other provided data sets.
4. Student will perform cost estimates for machining, welding and fixturing assignments.
5. Student will operate software that provides computerized cost estimation output.
6. Student will use a spreadsheet to organize and document manually collected information.