



MANUFACTURING PRIN 1

Course Description

The first in a sequence of courses addressing the history and operational structure of industry, Lean Manufacturing principles, product development, precision measurement, and quality management. Emphasis is placed on the interaction of process selection, cost, and overall quality.

Strands

1. Students will follow safety practices.
2. Students will develop and practice fundamental habits and skills required in the 21st century workplace.
3. Students will increase their ability to comprehend and correctly interpret technical documents.
4. Students will properly select and make accurate measurements with calibrated equipment.
5. Students will be able to describe basically manufacturing principles and the appropriate practices to apply in response to specific problems.
6. Students will be introduced to the basics of manufacturing using Six Sigma principles.

