

Introduction to Manufacturing-Woods Fall 2010

Instructor: Mr. Kyle Bess
Room 40
309-945-0346
kbess@dist228.org

GHS Mission Statement:

Geneseo High School is committed to helping all students develop their full potential and to preparing them to be independent, productive, responsible citizens by offering an academic and extra-curricular program that meets the needs of all students and by providing an environment conducive to learning.

Course Length: 1 Semester

Required Text(s) and Materials:

Wagner, Willis H. Modern Woodworking. 11th Ed. Tinley Park, IL: Goodheart-Willcox, 2006. ISBN: 1-59070-481-9

Wright, Thomas R. Exploring Production. 2nd Ed. South Holland, IL: Goodheart-Willcox, 1993. ISBN: 0-87006-944-6

Supplemental materials:

Students will be responsible for providing safety glasses and tape measure.

Catalog Description:

This is a one-semester course designed to introduce the student to the production materials, tools, equipment and techniques with emphasis in woodworking. Students will be made aware of resources, technical processes, industrial applications, and technological impacts of manufacturing and construction technology in today's society. The students will be involved in management, material processing, research and development, production, marketing and servicing components of industries which provide goods, services, and structures. Activities include: organizing a manufacturing and/or construction company; designing a factory production line; producing interchangeable parts using jigs and fixtures; designing a factory assembly line flowchart; assembling a product quickly and accurately using production methods.

Goals:

1. To give the student an understanding of how to operate machinery properly and safely.
2. To give the student an understanding of how goods are manufactured and produced.
3. To give the student a hands on project.

Expected Learning Objectives:

Upon completion of this course, the student shall be able to:

1. Demonstrate safe use of machinery and tools
2. Be able to measure to within 1/16”
3. Understand how manufacturing is done
4. Produce a project

Course Requirements and Class Organization:

This course is designed to last one semester. The course will cover manufacturing, with a focus on woods manufacturing. Students will gain an understanding of how manufacturing works and how to set up a small scale manufacturing facility. Students will start off with in introductory project to familiarize themselves with the machinery; they will then have a choice of making deer plaque or a cutting board. There will be a final project, either mass production or a similar project. Students will be required to pass all safety tests prior to using equipment.

Grading:

- 40% Lab work-Major Projects
- 40% Test and Quizzes
- 15% Homework-Bookwork, Presentations, Documents
- 5% Professionalism-Participation, Attitude, Work Ethic, On Time, Prepared for class, Clean-up

Make-up Work Policy – It is the student’s responsibility to contact teacher

Excused Absences: The student has two days for every day of excused absence to make up missed work.

Unexcused Absences: The student has one day to make up missed work.

Late Work Policy:

All work will receive 10% reduced grade for each day late. Late work after five days will not be accepted and the student will receive a zero.

Student Name (Print) _____

Parent Signature _____ Date _____