

COURSE INFORMATION:

Effective: 2004SU

Course Prefix/No.:	WLD 212
Course Title:	Destructive Testing
Lecture Hours/Week:	2.0
Lab Hours/Week:	0.0
Credit Hours/Semester:	2.0

[VA STATEMENT](#) [TEXTBOOK INFORMATION](#)

COURSE DESCRIPTION:

This course covers the destructive testing methods used in the evaluation of welds.

COURSE COMPETENCIES:

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

Module 1 - Destructive Testing - Theory

- Demonstrate personal and shop safety at all times.
- Identify the method of destructive testing.
- Determine the equipment needed to perform a destructive test.
- Describe the proper procedures to perform a destructive test.
- Identify the criteria for determining a quality weld.

Module 2 - Destructive Testing - Practical

- Obtain the equipment necessary to perform a destructive test.
- Follow the proper procedures to perform a destructive test.
- Evaluate the tested weld for quality.

MINIMAL STANDARDS:

Assignments and attendance must be completed as designated in "Evaluation Strategies/Grading." Criteria for minimal acceptable performance will be provided by the instructor.

REQUIREMENTS:

Attendance Policy

The college attendance policy, stated in the college handbook, will be honored. The instructor will provide specific requirements for the course.

Academic Honesty

Students are expected to adhere to the college policy regarding student conduct as stated in the college handbook.

Assignments

Students are expected to complete all assignments and any supplementary exercises designated by the instructor.

EVALUATION STRATEGIES/GRADING:

Successful completion of the course requires the completion of each of the eight modules, all tests/projects (minimum of eight total), and all assignments with a minimum of 70 points in each area. In addition, the student must score a minimum of 70 points each in the area of Lab Work and Work Attitude.

Grading Scale:

A = 90 - 100

D = 60 - 69

B = 80 - 89

F = 00.0 - 59

C = 70 - 79

Evaluation Method:

Lab/Shop Projects

75% of each Module

Work Attitude

25% of each Module

100% Final Grade

Work Attitude is defined as:

- Participation
- Cooperation
- Appearance
- Effort
- Safety
- Responsibility
- Professionalism
- Attendance
- Self Motivation
- Works Independently

ENTRY LEVEL SKILLS:

The student must exhibit traits of maturity (e.g. responsibility, seriousness of work, etc.) and should be able to read and write English, have good manual dexterity, good eyesight, and good eye-hand coordination.

PREREQUISITES/CO-REQUISITES:

Prerequisite: RDG 031 or equivalent

Co-requisite: None

METHODS OF INSTRUCTION:

Lectures, reading assignments, projects, discussions, video presentations, multi-media presentations, and web content are the major teaching methods used in this course. See instructor for specifics.