

COURSE INFORMATION

COURSE PREFIX/NO: **EGT 117**

COURSE TITLE: **Welding Print Principles**

LEC HRS/WEEK: 2.0

LAB HRS/WEEK: 0.0

CREDIT HRS/SEMESTER: 2.0 [DL ATTENDANCE/VA STATEMENT](#) [TEXTBOOK INFORMATION](#)

COURSE DESCRIPTION:

This course is a continuation of Blueprint Reading and Sketching I. The course involves the study of applied general blueprint reading with an emphasis on welding symbols and their application in metal fabrication.

COURSE COMPETENCIES:

Upon successful completion of this course, the student should be competent to perform the following tasks:

- Identify the components of a welding symbol and associated dimensions
- Make freehand sketches of basic welding joints and welds

MINIMAL STANDARDS/PERFORMANCE OBJECTIVES:

A. Given an assigned exercise, the student will identify the parts of a welding symbol with 70% accuracy.

B. Given a blue print of an object, the student will identify the types of weld joints with 70% accuracy.

C. Given a blue print of an object, the student will identify the types of welds to be performed with 70% accuracy.

D. Given a welding symbol, the student will make a freehand orthographic and pictorial sketch of the applicable joint and show placement of the weld with 70% accuracy.

COURSE REQUIREMENTS:

Students are responsible for attaining competencies through completion of the following course requirements:

ATTENDANCE

Students will be bound by the policies stated in the York Technical College Student Handbook. Students must attend 80% of the hours assigned to the class for a semester to receive credit for the course.

In case a student does miss a class, the student is responsible for obtaining the material that was covered during the absence.

If a student is aware that a class will be missed, then the student should notify the instructor at the earliest possible date.

If a student misses a test because of illness or urgent emergency, it is the responsibility of the student:

Notify the instructor prior to the class period, or at the earliest possible date. At that time a new date for a make up test can be scheduled.

Student with unexcused absences during tests will be allowed to take a make up test at the discretion of the instructor.

The student has the burden to be sure that some arrangement was made with the instructor for taking a make up test.

PARTICIPATION IN CLASS DISCUSSIONS:

COMPLETING ASSIGNED HOMEWORK, DRAWINGS AND TESTS

ACADEMIC HONESTY:

"York Technical College adheres to the South Carolina TECH Student Code, approved by the State Board for Technical and Comprehensive Education on March 13, 1974 (revised last April 25, 1984). Copies of this code are available in the Library and from Student Services. ...Any student caught cheating or involved in any other academic dishonesty will be given a grade of zero and will be subject to further disciplinary action."

EVALUATION CRITERIA/GRADING:

The grading scale follows:

Grade Points

A 90 – 100 B 80 – 89 C 70 – 79 D 60 – 69 F 0 - 59

Evaluation Method

Tests (minimum of 5) 100%

ENTRY LEVEL SKILLS:

It is recommended that the student entering this course have an appropriate understanding of shop math. Mechanical aptitude and an interest in industrial mechanics are desirable but not required.

PREREQUISITES:

EGT 114

CO-REQUISITES:

None

TOPIC/CONTENT OUTLINE:

- A. Welding Symbols and Dimensions
- B. Basic Joints for Welding Fabrication
- C. Types of Welds

METHODS OF INSTRUCTION:

The instructor will discuss the principles introduced in each chapter. The instructor will demonstrate progressive skills of blueprint reading and sketching to the student using chalkboard examples, and slides shown on a screen.