
Course Prefix/No.:	EGT 114
Course Title:	Welding Print Basics
Lecture Hours/Week:	2.0
Lab Hours/Week:	0.0
Credit Hours/Semester:	2.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course covers the fundamentals of print reading for welding applications.

COURSE COMPETENCIES

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

Module 1 – Drawing Fundamentals

- Identify the basic lines that are use on a print or drawing.
- Read and draw three basic views: Oblique, Isometric, & Orthographic.
- Discuss the purpose and basic techniques used in sketching.

Module 2 – Specifications

- Use the following to retrieve specifications & information from a drawing:
 - Notes and Specifications
 - Bill of Materials
 - Project Summary Worksheets
 - Title Blocks

Module 3 – Dimensions

- Use the following methods to determine fabrication dimensioning or measurements, U.S. Customary or Metric:
 - Linear and Angular dimensioning.
 - Radial and Arc dimensioning.
 - Tolerances.
 - Scale Sizes
- Apply basic math skills to determine fabrication dimensioning or measurements, U.S. Customary or Metric, based upon information retrieved from drawing specifications.

Module 4 – Drawing Views

- Identify drawing sections.
- Read Detail Prints.
- Read Assembly Prints.
- Read Subassembly Prints.
- Identify Structural Shapes using a given drawing.

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 module with an average of 70 points. Grades will be calculated from work attitude, all tests/projects, homework assignments, and laboratory assignments.

Grading Scale:

A = 90.0 – 100
B = 80.0 – 89.9
C = 70.0 – 79.9
D = 60.0 – 69.9
F = 00.0 – 59.9

Evaluation Method:

Tests/Projects	75.0% of Final Grade
Work Attitude	25.0% of Final Grade
Total	100.0% Final Grade

Work Attitude is defined as:

- Participation
- Cooperation
- Effort
- Responsibility
- Professionalism
- Attendance
- Self Motivation

ENTRY LEVEL SKILLS

It is recommended that the student entering this course have an appropriate understanding of basic math.

PREREQUISITE: RDG 031 or equivalent

CO-REQUISITES: None

METHODS OF INSTRUCTION

Lectures, reading assignments, discussions, video presentations, multimedia presentations, and web content are the major teaching methods used in this course.

Disabilities Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.