
COURSE PREFIX/NO: EGT 115
COURSE TITLE: Engineering Graphics II
LEC HRS/WK: 3.0
LAB HRS/WK: 3.0
CREDIT HRS/SEMESTER: 4.0

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

COURSE DESCRIPTION

This course in engineering graphics science includes additional drawing techniques for industrial applications

COURSE COMPETENCIES

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

Module 1 – Auxiliary Views

- Identify drawings that require auxiliary views
- Demonstrate an understanding of primary and secondary auxiliary views

Module 2 – Section Views

- Identify drawings that require section views
- Demonstrate an understanding of full, half, offset, aligned, and removed/revolved section views

Module 3 – Special Fields of Drafting

- Create various types of drawings encountered in engineering technology drawings, such as piping drawings, welding symbols, and /or threaded fasteners

Module 4 – Detail and Assembly Drawings

- Work in teams to prepare a complete a set of design drawings including details, assembly drawings and bill of materials.

Module 5 – Ethics, Knowledge of Diversity, and Continuous Improvement

- Discuss professional ethics, global awareness and respect for diversity as it relates to the modern workplace. Demonstrate professionalism, quality and timeliness through tests, teamwork, and projects.

EVALUATION STRATEGIES/GRADING

Given instructions on basic drawing procedures and AutoCAD commands the student will produce drawings involving auxiliary views using AutoCAD software. The average of these grades shall be no less than 60%.

Given instructions on basic drawing procedures and AutoCAD commands the student will produce drawings involving section views using AutoCAD software. The average of these grades shall be no less than 60%.

Given instructions on basic drawing procedures and AutoCAD commands the student will produce a variety of specialty drawings which may include piping schematics, American Welding Society standard symbols, and threaded fasteners. These drawings will be created using AutoCAD software. The average of these grades shall be no less than 60%.

Given instruction on basic drawing procedures and AutoCAD commands the student will demonstrate an understanding of these various procedures by completing a minimum of two written tests. The average of these grades shall be no less than 60%.

The student will demonstrate an understanding of all concepts presented in this course by completing details and assembly drawings with a minimum accuracy of 60%.

Given topics in ethics, global awareness and diversity, the student will demonstrate an understanding of these topics by providing feedback in an oral presentation or on-line discussions. The average of these grades shall be no less than 60%.

ATTENDANCE

The College attendance policy stated in the College handbook will be honored.

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.

TEXTBOOK

Students are expected to purchase the required textbook for this course.

EVALUATION CRITERIA/GRADING

The grading scale will be the standard for York Technical College:

Grade Points

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

Evaluation Method

Module Tests	25%
Class Assignments	50%
Working Drawings and Projects	25%

ENTRY-LEVEL SKILLS

Knowledge of the fundamental principles of drafting and a current release of AutoCAD is required. It is recommended that the student have a basic math skills background in arithmetic operations with decimals and fractions. Some background in geometry and trigonometry is very helpful but not required.

PREREQUISITES: EGT 110

CO-REQUISITES: None

METHODS OF INSTRUCTION:

This is a lab-type course in which the student practices and develops techniques by completing drawings and study assignments. There are no regularly scheduled lecture hours. Adequate lab time will, however, be devoted to lecture to convey the required basic information.

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.