

COURSE INFORMATION

COURSE PREFIX/NO: EGT 225
COURSE TITLE: Architectural Drawing Applications
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 is an advanced drawing course for architectural applications.

COURSE COMPETENCIES:

Upon successful completion of this course, the student should be able to make basic design choices regarding a residential structure based on the common industry practices covered in the class and in the textbook. Student should be able to prepare a complete set of residential house plans based on their own original design.

This is a drafting class and the focus is more on architectural drafting principles and not on the building trades or building code.

MODULE 1:

- Review historical house styles
- Discuss contemporary architecture
- Discuss post-modern architecture

MODULE 2:

- Identify regulatory issues
- Arrange plots and house locations
- Detail foundations

MODULE 3:

- Utilize proper design guidelines
- Calculate beams and stairs
- Design floor plans

MODULE 4:

- Prepare elevations
- Determine construction details
- Investigate construction methods

MINIMAL STANDARDS/PERFORMANCE OBJECTIVES:

This class has two main segments. The first is a series of assignments in which students will be given criteria for one room or one portion of a house and must apply the design guidelines covered in class and in the textbook to create a design that will satisfy the specifications. Some assignments will call for basic drawings or sketches and some will require more detailed drawings.

The latter part of the semester will be devoted to creating an original design of a residential structure and preparing the appropriate drawings. Student will be given the type of specifications an architectural client might provide and the student will create a design utilizing the common guidelines covered in class and in the textbook. The drawings will be complete and detailed and will include plot plan, foundation plan, floor plan, furniture plan, elevations, construction details, and other drawings as instructed.

Student must complete all modules and achieve a 60% average on tests, projects, reports, and any other required assignments.

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 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 to notify the instructor prior to the class period, or at the earliest possible date

Students with absences during tests will be allowed to take a make up test only 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

It is expected that students will participate in class discussions and will read the text and take notes during lectures.

ACADEMIC HONESTY:

"York Technical College adheres to the South Carolina TECH Student Code, approved by the State Board for Technical and Comprehensive Education on June 10, 1998. 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 STRATEGIES/GRADING:

All modules are weighted equally.

The grading scale is as follows:

Grade Points

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

The class grade will be determined as follows:

Project	60%
Assignments	30%
Conduct/Participation	<u>10%</u>
	100%

ENTRY LEVEL SKILLS:

The entering student should have knowledge and understanding of basic drafting and dimensioning guidelines and practices. It is important that student be proficient in the basic commands and use of the current CAD package as covered in the prerequisite course.

PREREQUISITES:

EGT 115

CO-REQUISITES:

None

TOPIC/CONTENT OUTLINE:

- Architectural styles and types of houses
- Sleeping areas
- Living areas
- Service areas
- Plot plans
- Foundations
- Basic construction techniques
- Doors, windows, stairs, fireplaces
- Floor plans
- Elevations