COURSE INFORMATION

Course Prefix/Number: EGT 225
Course Title: Architectural Drawing Applications
Lecture Hours/Week: 3.0
Lab Hours/Week: 3.0
Credit Hours/Semester: 4.0

VA Statement/Distance Learning Attendance
Textbook Information
Student Code and Grievance Policy
Attendance Statement (3-30-4000.1)

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: House Styles
- Review historical house styles
- Discuss contemporary architecture
- Discuss post-modern architecture

Module 2: Plots and Foundations
- Identify regulatory issues
- Arrange plots and house locations
- Detail foundations

Module 3: Design and Calculations
- Utilize proper design guidelines
- Calculate beams and stairs
- Design floor plans

Module 4: Methods and Details
- Prepare elevations
• Determine constructions details
• Investigate construction methods

METHODS OF INSTRUCTION

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

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

Missed Classes and/or Tests
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
It is expected that students will participate in class discussions and will take notes during lectures and presentations. It is expected that students will arrive on time for class and will turn off cell phones and similar devices before entering the classroom and leave them off for the duration of the class.

Academic Integrity
The policies stated in the York Technical College Handbook will be enforced. Any student violating these policies will be subject to academic discipline.
EVALUATION STRATEGIES/GRADING

All modules are weighted equally. The grading scale is as follows:

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<tr>
<th>Grade</th>
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<tr>
<td>A</td>
<td>90 - 100</td>
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<td>B</td>
<td>80 - 89</td>
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<td>C</td>
<td>70 - 79</td>
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<td>D</td>
<td>60 - 69</td>
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<td>F</td>
<td>Below 60</td>
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The class grade will be determined as follows:
- Project..........................60%
- Assignments .................... 30%
- Conduct/Participation .......... 10%

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 or equivalent

CO-REQUISITES

None

DISABILITIES STATEMENT

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