

**NORTHEASTERN TECHNICAL COLLEGE
COURSE OUTLINE**

COURSE:	PREFIX NO.	EFFECTIVE DATE	NEXT REVIEW DATE		
AET	221	SPRING 2011	SPRING 2013		
TITLE:	CREDITS	CONTACTS			
		CLASS	LAB	TOTAL	
Architectural Computer Graphics II	4	4	0	4	

PREREQUISITES:

DESCRIPTION: This course includes a study of CAD commands with architectural applications and routines. A complete set of working drawings of a residential or commercial building using the computer as the drafting tool is produced.

TEXTBOOK(S) OR ALTERNATIVE: Architecture: Residential Drafting and Design, by Clois Kicklighter; Goodheart-Willcox Company

MATERIALS (specifying those to be purchased by student): Materials provided are course outline and lab equipment. Students will provide textbook, paper, pencils, scientific calculator, drafting kit, and flash drive (1 GB minimum).

COLLATERAL READING: None

CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):

ACADEMIC HONESTY: Students are expected to do their own work.

Please refer to the NETC Student Code and Grievance Procedure for a definition of academic dishonesty and an outline of the disciplinary action that may result therefrom.

ATTENDANCE: Students are expected to attend all scheduled classes, however, up to 20% of absences are allowed for unavoidable hardships such as illness or car trouble. A student missing more than the 20% of class for any reason will be dropped from the course for excessive absences. A grade of "W" will be assigned if a student drops from a class prior to mid-term. After mid-term, a grade of "WF" is assigned unless there are extenuating circumstances and the student is passing the course at the time of withdrawal.

TARDIES: A student is considered tardy if he/she arrives for class after the roll has been taken. Three tardies constitute one (1) hour of absence.

ASSIGNED WORK: If a student is absent the day an assignment (test and/or homework) is due; he/she is required to complete the work on the first day back in class.

CLASSROOM ETIQUETTE: An integral part of an education is developing a sense of integrity and responsibility not only toward ourselves but also toward others. In the classroom, as on the job or in your home, exhibiting appropriate behavior reflects on your maturity. Arriving on time to class, being prepared, and considerate of others as they are talking has a positive effect on others. Please be considerate.

STUDENT ID: It is mandatory that every student wear his or her student ID at all times when on the Cheraw campus. During the first week of classes, the instructor will issue a reminder to wear the ID. This reminder is a warning. After the first week of classes, instructors are required to dismiss students without ID from class. The student may get his/her ID (or a new one in Student Services for \$3.00) and return to class before the midpoint of the class. If the student cannot get an ID and return to class by the midpoint, the instructor will record the absence.

DISABILITIES STATEMENT: Students with disabilities are encouraged to contact the Vice President for Student Services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Vice President for Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs. (See *College Catalog*)

RESOURCES (A-V, persons, tools/equipment):

Architectural CAD Software
Handouts

COURSE TOPICAL OUTLINE (List topics and sub-topics of course) and Calendar or approximate length of time devoted to topic.

TENTATIVE OUTLINE

WEEK ONE-TWO

1. Develop Preliminary Sketches from Data
2. Complete Working Floor Plan
3. Essential Design Elements

WEEK THREE-FOUR

1. Assess Functionality of Design
2. Revise as Necessary
3. Complete Final Working Drawing (Floor Plan)

WEEK FIVE-SIX

1. Develop Foundation
2. Determine Proper Framing
3. Dimension Properly
4. Add Necessary Notes

WEEK SEVEN-EIGHT

1. Electrical Plan Development
2. Layout and Revise as Necessary
3. Complete Final Plan
4. Check for Thoroughness and Errors

WEEK NINE-TEN

1. Details
2. Kitchen Elevations
3. Stair Drawings
4. Wall
5. Notes and Symbols

WEEK ELEVEN-TWELVE

1. Final Check Plans
2. Note and Correct Errors
3. Prepare for Final Plot

WEEK THIRTEEN-FOURTEEN

1. Presentation Drawings
2. Landscape
3. Plotting
4. Selecting Sheet Sizes
5. Final Plots

WEEK FIFTEEN

Review

OBJECTIVES OF COURSE: Upon completion of the course the student will have demonstrated the ability to:

1. Develop complete set of plans from information given
2. Plot all necessary sheets and details
3. Organize sheets and add titleblocks

INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES:

Classroom lectures
Demonstrations
Textbook assignments
Lab experiments

EVALUATE METHODS TO APPRAISE OBJECTIVES:

The following areas will be assessed:

Board Drawing	30%
CAD Drawings	30%
Quizzes	30%
Class Participation	10%

GRADING SCALE:

The following grading scale will be used:

90 - 100	= A
80 - 89	= B
70 - 79	= C
60 - 69	= D
BELOW 60	= F