

ARCHITECTURAL COMPUTER AIDED DESIGN
CAD 2214/2215
Spring Semester 2005 Wednesdays 5:30pm – 9:30pm

Instructor: Fran Obrero (860)-434-8083 Day; Email – fobrero@snet.net

Grade: Drawings 50% Mid Term 25% Final 25%

Course Objective: Students will learn and practice architectural drafting concepts using AutoCAD 2005. The student will be able to produce a set of construction documents that will include the following: foundation and floor plans, elevations, wall sections and details, electrical plans, site plans, door, window and finish schedules. Students will also learn how to take information (scans, sketches, downloaded information) and convert it to a CAD format. Emphasis will also be placed on typical architectural layering and line weight conventions utilized in the industry.

Method: Lecture, class discussion, lab sessions, homework

Text: TBD

Week 1 (1/26)	Course Introduction – what to expect from the course Evaluation – brief quiz to not only get you reacquainted with CAD but for me to see your abilities. Standards – Layers and line weight introduction
Week 2 (2/2)	Plotter/Printer Setup – we will set up plotter and plot style configurations Drawing Setup – text, dimension, and layers will be created Templates and title blocks – model and paper space templates will be created
Week 3 (2/9)	Plans – we will start to develop foundation and floor plans from scalable drawings or sketches Design Center & Tool Pallets – we will use both to add block to plans
Week 4 (2/16)	Plans – continued
Week 5 (2/23)	Site Plans – we will develop site plans from scalable drawings or sketches
Week 6 (3/2)	Site Plans – continued
Week 7 (3/9)	Sections & Elevations – we will start to develop wall sections, building sections, and elevations
Week 8 (3/16)	Sections & Elevations – continued Mid term assigned
Week 9 (3/23)	No Class – Spring Recess
Week 10 (3/30)	Sections & Elevations – continued Dimensions and Annotations – we will start to take drawings and add all the necessary information
Week 11 (4/6)	Dimensions and Annotations – continued Detailing – we will start to develop the large scale details that show how certain conditions are constructed

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Week 12 (4/13)	Detailing – continued Schedules – we will develop door and window schedules and place callouts in plans and elevations. Room tags and finish schedules will be coordinated Final Projects Assigned
Week 13 (4/20)	Detailing – continued
Week 14 (4/27)	Electrical Plans – we will develop electrical symbols and plans
Week 15 (5/4)	TBD
Week 16 (5/11)	Last Day of Class – Finals