

College of Charleston

Program in Historic Preservation and Community Planning - Department of Art History

ARTH 290

Introduction to AutoCAD and Photoshop for Preservationists

Summer 1

James L. Ward, RLA, Assistant Professor

TH:9:00-1:15

wardj@cofc.edu

Computer Lab 1 in HP Grad School

Office Hours:

292 Meeting Street (corner of George & Meeting)

After class
or by appointment

WEB PAGE showing syllabi, notes, etc:

12 Bull Street

<http://www.cofc.edu/~wardj/Index.html>

be sure to check the "Message Center"

Course Description and Content

This course is meant to introduce Preservationists, future architects, planners, landscape architects, and the like to new tools in drafting and presentation –AutoCAD LT and Photoshop. These new tools help to develop new ways to observe, record, and interpret. The course shall consist of beginning exercises in the use of the software, then developing a preservation oriented, research project to demonstrate new techniques and styles of presentation. Usually, these projects are directly related to the work undertaken in the HP Studio during the previous year and allow students to fine tune those projects for their portfolios.

Required Texts

- a) On line tutorials <http://www.cadtutor.net/acad/index.html>, <http://www.fbe.unsw.edu.au/learning/autocad/ad2/T1/>, and <http://www.fstutorials.com/>.
- b) Previous measured drawings and site plans as handed out to student by professor and photographs as made by individual student.

Suggested Supplemental Text

The AutoCAD and Photoshop Bible, edition according to the version of the program used.

Assignments

- **WEEK ONE (June 2-5)**
- T - Intro and ACAD START UP
 - Power point review of basics of course, background requirements, and application.
 - Set up accounts
 - Arrange class layout
 - Discussion about technology and preservation
- H – ACAD/PSHOP
 - CAD Tutorials
 - Photoshop - Layering and File types, Managing the files and file sizes
- **WEEK TWO (June 8-12)**
- T – ACAD/PSHOP
 - CAD Tutorials
 - Photoshop Command structure
- H- ACAD/PSHOP
 - Finalize Tutorials

- Introduction to scaling in paper space
- Application of layers
- **WEEK THREE (June 15-19)**
- T - ACAD/PSHOP
 - Photoshop: Fat Baby level controls and Doll Man exercises in layering
 - AutoCAD: Introduction to detail drawing and first “from scratch” drawing
 - CAD Tutor Tutorials and scrapbook
- H - ACAD/PSHOP
 - Photoshop-review of putting together photos in panorama or elevation
 - CAD Tutor tutorials and scrapbook
 - Review of dimensioning and printing lines
- **WEEK FOUR (June 22-27)**
- T - ACAD/PSHOP
 - Review of scaling in paper space and dimensioning
 - CAD Tutor Tutorials and scrapbook
 - Printing drawings
 - Scrapbook format provided, tabs and their making/changing/deleting reviewed
- H - ACAD/PSHOP
 - “The Star” Practice
 - Reading new drawings into the scrapbook – insert drawings and making blocks
 - Reading photos into AutoCAD
 - CAD Tutor Tutorials and scrapbook
 - Turn in proposal
- **WEEK 5 FINALS (June 29-July 3)**
- T – ACAD/PSHOP – Final In class practicum
 - WIDGET CHALLENGE
 - Turn in personal notebook with tutorials and scrapbook
 - Field time/research allowed as required (Use the lab as your office – I can bring in a scanner, go to library, take photos of site, etc)
- H - FINAL DRAWINGS

Final Presentation will be as mutually agreeable, preferably over Bar-B-Que cooked on my backyard fire pit.

Grading

50% shall be based on graphic exercises turned in every day (individual) and 50%, results of research projects (team).

Samples of student work/background files are on the message center