Technical Design 280 Syllabus

Instructor: Ron Raty
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Course Description:

This course is a refresher course for those using Autocad. Using Autocad is like playing the piano. If the user doesn't continuously practice, they get rusty. Several months without using the program can result in the user using the 'hunt and peck' method of drafting when they finally return to CAD. In addition, a new version of the software is released every year. This results in the changing of command menus and the availability of additional commands. This class provides the student with the opportunity to stay current with the most recent version as well as refresh their familiarity with the program.

Course Outcomes:

Upon successful completion of this course, the student will be able to:
   * Find the newest tools in the most recent version of the software, and recite the purpose of the tool or command.
   * Perform basic drafting or modeling tasks in a timely manner.

Prerequisite:
Technical Design 200 Introduction to Autodad. The instructor will often waive the prerequisite if the student has completed AutoCAD classes in the past or has used AutoCAD in a professional setting.

Required Text and Materials:

The text for this course is:
No text

Course Requirements:

PROJECT
The student will select a project, preferably drawn from the industry of choice, and complete the drawings for that project as a means of re-familiarizing themselves with the Autocad Interface and process.

What's New
Each new version of Autocad contains a menu selection that hightlights the differences between this and the previous version. The student will review that high light, make notes, and submit a short paper describing the differences between versions.

Turning in assignments:
All drawing assignments are to be plotted and turned in on paper.   Written assignments are to be type written, printed, and submitted on paper. Assignments can be revised and submitted a second time for an improved grade and to answer instructor questions.

Final Grade
Your final course grade will be based on a percentage system:

project	70%
What's new	30%
Total	100%

The final grade recorded with the registrar is based on the percentage of available points you manage to earn during the course compared to the total possible. The total possible may vary depending on the progress of the quarter, but it is always 100%.

90%	4.0
80%	3.0+
70%	2.0+
60%	1.0+
57%	0.7+

Any percentage less than 57% is inadequate to receive class credit, and a grade of 0.0 will be recorded.

Withdrawal:
If you decide that you must withdraw from this class, you must do so in conformance with Olympic College policy. A discontinuance of attendance without an Official Withdrawal Form or prior arrangement with the Instructor is an automatic 0.0 (F) for the class. This is school policy and governs all classes conducted at Olympic College.

About the Instructor and this class
Ron Raty is a licensed architect with over 25 years of experience in architectural design and project management. He does not think of himself as a professional teacher. Because of this, his classes are managed in a manner similar to a design studio in a company, students should think of themselves as employees. They should arrive at work on time, they should complete their work in a timely manner, they should dress appropriately and act professionally, they should show respect for their fellow employees and their employer. As in the work place, failure to do these things can have consequences.
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American Disabilities Act Statement

Any student who feels he/she may need an accommodation based on the impact of a disability should contact the office of Access Services. Access Services will inform the instructor of any special accommodations required.

Humanities and Student Services Building, Room 204
Phone: 360-475-7540 or 1-800-259-6718 ext. 7540
Fax: 360-475-7436
E-mail: AccessServices@olympic.edu

A drafting station at home:
If you would like to work on your drawings at home, you will need a computer powerful enough to run the Autocad software. Recommended computer specifications are available from the Autodesk website. You can also download student versions of the software for free from Autodesk to install on your home computer or a laptop computer. Refer to the Professor Online website for more information.

A word about equipment:
The computer lab has 20 CAD stations in it. In addition, there are CAD stations in the Science and Technology computer lab for your use when this CAD lab is not available. Do not modify classroom computers. Downloading data from the internet is prohibited without instructor permission. If repairs are needed to your computer, please notify the instructor. Do not attempt to repair the computer yourself. For those that prefer to use their lap top in class (it is configured and familiar, certainly an advantage), tables are available for your use.

Food and Drink:
In accordance with school policy, food and drinks are not allowed in the drafting room. During lab time, students may come and go as necessary to refresh themselves. Restrooms are down the hall towards the Welding lab.