

Computer Aided Design CAT 1214

Course Description: The student will learn and demonstrate the proper use of Computer-Aided Design software as a design tool in fields such as Engineering, Architectural, and Multimedia. Emphasis will be on Computer-Aided Design fundamentals such as creating, editing and printing of 2D Computer-Aided Design documents. The student will demonstrate his or her understanding of the structure, use and development of Computer-Aided Design documents by correctly creating, using, and storing Computer-Aided Design documents.

Course Competencies: Upon the completion of this course, you will be able to utilize AutoCAD 2010 as a productive drafting/drawing tool.

General Learning Objectives:

1. The student will be able to use the CAD system effectively in the creation of the following drawings:
 - Orthographic drawings, single view drawings, section drawings
 - Basic architecture floor plans.
 - Presentation quality drawings (flyers, signs, etc)
2. The student will be able to insert symbols from a symbol library and from the Internet.
3. The student will be able to generate hardcopy outputs using laser printers, color printer, and color plotter.
4. The student will be able to design and assemble a portfolio for future employment in CAD.
5. The student will demonstrate understanding of global awareness as it relates to the Computer Aided Design field.

Course Requirements:

1. All assignments must be submitted on the due date. Late work will be reduced by one letter grades (10 points) per week.
2. All CAD assignments must be drawn with AutoCAD 2009 or above.
3. The student is responsible for completing all reading assignments, and learning activities before class.
4. Test must be taken on date specified. Test will be given in class. Make up test will not be permitted, unless arrangements have been made in advance.
5. All students must use their OCCC email accounts. This is the official way for faculty to communicate with students. See the college's website at <http://www.occc.edu>
6. It is suggested that students join the CAD Listserv. The listserv is an automated system that faculty, staff, and student can email everyone in the group by sending one email. See Professors Helton's Web page for more details. All job opportunities will be posted on the CAD Listserv.

Note: This sample syllabus is being provided in order to give general knowledge of the subject and should not be considered the sole outline of the course. Class format, assignments, and due dates may vary by professor.