

CUMBERLAND COUNTY COLLEGE

Course: IT 211 CAD II

Credits: 3

Prerequisites IT 102 or permission of the Instructor

Description:

Offers intermediate CAD drawing working in three dimensional spaces in order to create a 3D solid model. The student will use paper space in order to create multi views with attributes.

Learning Outcomes:

At the completion of this course, students should be able to:

- Create the necessary sheet sets for a project
- Select a sheet template with a boarder and title block and add attributes
- Use the UCS and create solid models
- Use paper space to create view ports
- Create different views of an object, scale the object and add text and dimensions in the view ports
- Add and edit attributes in a drawing
- Create and insert blocks and W blocks in a drawing
- Insert external references in a drawing
- Add raster images to a drawing
- Scale drawings as needed
- Plot a drawing in paper space

Topical Outline:

- Drawing in model space
- Dimensioning text in paper space
- Sheet sets
- Sheet layouts and templates
- View ports
- Using Primitives
- User coordinate system
- Creating and inserting blocks and W block
- Raster images
- Attributes
- External references
- Plotting a drawing in paper space

Text:

Technical Drawing by Glesecke, Prentice Hall
Harnessing AutoCAD 2007 by Krishnar, Thomson

Student Assessment:

Assessment is accomplished based on assignments, term project, and exams, as follows:

Weekly Assignment	30%
Two mid-semester exams	30%
Final exam	25%
Term Project	15%

Academic Integrity:

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense.

As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Tutoring & Project Assist:

If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

Before Withdrawing From This Course:

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) BEFORE withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA, which can limit or eliminate future financial aid in addition to causing academic suspension.