

CUMBERLAND COUNTY COLLEGE

Course: IT 102 CAD I

Credits: 3

Prerequisites: IT 101 Technical Drawing I; or Permission of the Instructor.

Description:

Offers an introduction to computer aided drafting using Autodesk software.

Learning Outcomes:

Upon successful completion of this course, students will be able to:

- Setup the sheet size, text height, dimension variables and line types in order to begin a new drawing in model space
- Save the drawing
- Construct the necessary views of an object
- Modify all aspects of the drawing
- Place dimensions and text as needed
- Plot the completed drawing

Topical Outline:

- AutoCAD screen and toolbars
- Beginning a new drawing and saving the drawing
- Constructing geometric figures
- Modifying objects
- Using layers
- Drawing and editing text
- Adding and editing dimensions
- Applying hatching to sectional views
- Plotting and layouts

Text:

Technical Drawing by Giesecke, 12th edition: Prentice Hall Harnessing AutoCAD 2007 by Krishnar Thompson

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.