

CUMBERLAND COUNTY COLLEGE

Course: IT 101 Technical Drawing I

Credits: 3

Prerequisites: None

Description:

Offers fundamentals of engineering drawing to acquaint students with traditional board drawing skills and computer aided drafting.

Learning Outcomes:

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

- Use a scale to measure accurately.
- Create a drawing on paper or CAD using geometric constructions
- Observe a part and create the proper views in order to manufacture it
- Place the necessary dimensions on a drawing in order to manufacture it
- Draw and label threads on fasteners
- Start and draw a basic single view drawing in AutoCAD.

Topical Outline:

- The graphic language and design
- Instrumental Drawing
- Geometric Construction
- Multi-view Projection
- Sectional Views
- Auxiliary Views
- Dimensioning
- Threads and Fasteners
- Introduction to CAD

Text:

Technical Drawing by Giesecke: Prentice Hall.

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.