

CAD Mech Design 2

Course Description

The second in a sequence of courses that prepares individuals with an emphasis in developing technical knowledge and skills to develop 3D models in support of mechanical and industrial engineers and related professionals . This includes instruction in the use of 3D Computer-Aided Design (CAD) software model creation, and technical communication.

Strands

1. Students will understand and applied mathematics, measuring conventions, and scale.
2. Students will be able to create a 3D part model with the correct dimensional and geometric sizes and constraints.
3. Students will be able to understand and demonstrate the use of correct line types.
4. Students will be able to develop and correct replace sectional views.
5. Students will be able to understand and demonstrate essential tolerancing techniques.
6. Students will be able to understand and use 3D computer software to create technical drawings.

