

## Basic 3D CAD – Getting Started

2D Computer Aided Design focused primarily on accessing design tools and creating orthographic projections (views) of parts to be manufactured. Basic 3D CAD will focus on creating three-dimensional (3D) drawings of the parts.

Basic 3D CAD will address three sections:

Creating 3D using the **wireframe method**:

This is the most rudimentary form and the earliest version of 3D designing. It is time consuming, and the user has to constantly manipulate the X, Y and Z orientations. Fortunately, the UCS Icon and other design tool will help us learn or improve how to visualize objects in space and design parts in 3D.

Designing in 3D using the **Solid Modeling method** will be covered next.

Then, we will cover **Advanced Modeling Tools** and Techniques