

The student will be able to:

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| Graphs and Charts | 5.0 | Create graphs and charts using CAD |
| Blocks and Wblocks | 5.0 | Use a symbol library to create an architectural floor plan. |
| Drawing Setup | 5.0 | Calculate plot scale and use it to setup CAD drawings |
| Dimensioning | 5.0 | Use dimension settings to control various types of dimensions |
| Defining Attributes | 5.0 | Assign information to drawing blocks |
| Attribute Extraction | 5.0 | Extract attribute information from a drawing |
| Isometric Drawing | 5.0 | Create an isometric drawing |
| Basic 3-D Drawing | 5.0 | Create a simple 3-D drawing |
| Viewing in 3-D | 5.0 | View a 3-D drawing using various methods |
| User Coordinate Systems | 5.0 | Setup coordinate systems in 3-D space |
| 3-D Surfaces | 5.0 | Use 3-D surfacing commands |
| Paper Space | 5.0 | Use paper space to display and plot 3-D drawings |
| Solid Modeling | 5.0 | Create a solid 3-D model |
| Slide Shows | 5.0 | Compile a slide show of CAD drawings |

Course Outcomes: At the successful completion of this course, the students will be able to:

- Create an architectural drawing using library symbols.
- Demonstrate knowledge of setting up and scaling CAD drawings.
- Extract information in a CAD drawing to a spreadsheet.
- Demonstrate various techniques to create and display 3D surface models.
- Demonstrate various techniques to create and display 3D solid models.