

Glen Oaks Community College – Business Services

Basic Blueprint Reading

Course Competencies

By the completion of this course, successful students will:

1. Learn how to visualize objects and graphically represent and read blueprints of objects using principles of orthographic projection.
2. Develop the ability to accurately represent an object by the graphic means of engineering sketching.
3. Learn to read and understand drawings that employ such special techniques as sectional and auxiliary views.
4. Understand and recognize scaling of a drawing and proper dimensioning techniques.

Course Outline

- Lines: Hidden, object, center, dimension extension, phantom & leaders.
- Views: Three view, view arrangement, how many views, one and two view drawings, section views, auxiliary views, view alignment, and principal views.
- Dimensions and Notes: Size and location, tolerancing, notes for holes, threads notations, decimal, fractions, dimension placement, dimensioning standards, and precision tolerancing.
- Sketching: Measuring objects, dimensioning rules, orthographic sketching, isometric sketching, and sketching using proportions.

Course Length

This course is approximately 8-hours.

Course Materials

Presentation handouts will be included with the course. Additional materials (textbooks, resources, etc.) can also be provided.

Contact

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