

Blueprint Reading

BPR 105

Blueprint Reading [RE] • 3.0 Credits

This course is a comprehensive guide to interpreting drawings commonly found in manufacturing. This course is intended as an introduction to understanding blueprints and being able to visualize and understand the intent of the designer or draftsman as presented in a blueprint. The first step in making quality parts or assemblies is interpreting the drawing correctly and applying the given information to the final product.

BPR 106

Blueprint Reading I (WT) [RE] • 5.0 Credits

This course is designed to introduce the welding student to the world of blueprint symbols, facts, and figures. BPR 106 is the first of a two-part series in which students learn the various methods of presenting to the fabricator what the designer wants in the final product. Symbolism for welding structural shapes, types of fittings, their physical make up, material, and dimensioning are covered in the class. The successful student will be an asset to any fabrication shop or when working for the ironworkers or millwrights. **Prerequisite: Completion of DRW 106 and WT 112, both with a 2.0 or better, or instructor permission.**

BPR 110

Basic Blueprints and Drawings [RE] • 3.0 Credits

This course is intended to provide students with information about how to read and interpret information from blueprints, drawings, exploded views, illustrated parts catalogs, assembly drawings, flow diagrams, and schematics.

BPR 204

Blueprint Reading II (MT) [RE] • 3.0 Credits

This course is designed to give students skills and knowledge necessary to read, understand tolerances, and apply geometric dimensioning to machine shop drawings. **Prerequisite: Completion of MT 102 with a 0.7 or higher.**

BPR 206

Blueprint Reading II (WT) [RE] • 3.0 Credits

The second course in the series with the emphasis on pipe isometrics. The course is designed to provide students with the ability to read, draw, and dimension pipe isometrics for fabrication. The successful student will be an asset to any fabrication shop or when working for or with pipefitters or entry level. **Prerequisite: Completion of BPR 106 with a 2.0 or better, or instructor permission.**