COURSE SYLLABUS

Blueprint Reading Course Online

Develop fundamental blueprint reading skills for residential and commercial construction projects through hands-on, real-world learning experiences.

> Group classes (Live Online) and onsite training are available for this course. For more information, email partnerships@vdci.edu or visit: https://vdci.edu/courses/blueprint-reading-fundamentals-course



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Course Outline

This package includes these courses

- Residential Blueprint Reading Course Online (10 Hours)
- Commercial Blueprint Reading Course Online (20 Hours)

Residential Blueprint Reading Course Online

Taught by a licensed architect, this course is designed to provide you with a thorough understanding of how to interpret and analyze residential construction blueprints. This comprehensive, instructor-led course is ideal for beginners looking to gain essential skills, as well as for seasoned professionals seeking to improve their ability to collaborate on residential projects.

- Demonstrate an understanding of the inter-relationship between the drawings included in a set of Construction Documents (blueprints).
- Analyze different drawings and see how scale is presented throughout a set of Construction Documents.
- Evaluate the similarities between all sets of blueprint construction documents submitted for building permits.
- Recognize the need for consistency in presenting information in all types of Construction Documents in this online blueprint reading course.

Commercial Blueprint Reading Course Online

Learn to interpret and analyze commercial construction blueprints in this class taught by a licensed architect. Designed for construction professionals and students, this course focuses on mixed-use commercial projects, including hotel, retail, and parking structures. You'll develop skills to read architectural, structural, mechanical, and electrical plans.

- Gain a comprehensive understanding of architectural, structural, mechanical, and electrical plans as applied to a mixed-use commercial construction project.
- Learn to read and interpret symbols, notations, and technical details in accordance with industry standards. Evaluate the similarities between all sets of construction documents submitted for building permits.
- Work with real-world construction drawings and documents to build practical skills.
- Understand how blueprints are used to estimate costs, plan projects, and ensure on-site accuracy during construction.