COURSE SYLLABUS

Blueprint Reading Course Online

Learn to interpret blueprints for residential and commercial projects by engaging in hands-on, real-world practice.

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



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Course Outline

This package includes these courses

- Residential Blueprint Reading Course (Self-Paced) (10 Hours)
- Commercial Blueprint Reading Course (Self-Paced) (20 Hours)

Residential Blueprint Reading Course (Self-Paced)

Taught by a licensed architect, this course provides a solid foundation in interpreting residential construction blueprints. Ideal for beginners or professionals, you'll learn to read architectural symbols, scales, and key components like floor plans, elevations, and sections. Through hands-on exercises and real-world examples, you'll gain the skills to effectively visualize and execute residential designs. The course is also available in Spanish.

- Understand the interrelationship between different drawings in a set of Construction Documents (blueprints).
- Analyze various drawings and how scale is represented across Construction Documents.
- Recognize similarities in blueprint construction documents used for building permits.
- Understand the importance of consistency in presenting information throughout all types of Construction Documents.

Commercial Blueprint Reading Course (Self-Paced)

Learn to interpret and analyze commercial construction blueprints in this course, taught by a licensed architect. Designed for construction professionals and students, the course focuses on mixed-use commercial projects such as hotels, retail spaces, and parking structures. You'll gain the skills to read architectural, structural, mechanical, and electrical plans, enhancing your ability to communicate and collaborate effectively throughout the construction process. This course is also available in Spanish.

- Blueprint Essentials: Gain a thorough understanding of architectural, structural, mechanical, and electrical plans used in mixed-use commercial construction projects.
- Industry Standards: Learn to read and interpret symbols, notations, and technical details in line with industry standards and evaluate construction documents for building permits.
- Hands-On Learning: Work with real-world construction drawings to build practical skills in blueprint interpretation.

- Application of Knowledge: Understand how blueprints are used in cost estimation, project planning, and ensuring accuracy during construction.