COURSE SYLLABUS

MEP Course (Self-Paced)

This program brings together two foundational courses to deliver a comprehensive introduction to Mechanical, Electrical, and Plumbing systems, along with blueprint interpretation. It's designed for students and professionals who want to understand how building systems operate and how they are represented in construction drawings.

Group classes (Live Online) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.nobledesktop.com/classes/mep-course-self-paced



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Course Outline

This package includes these courses

- Fundamentals of MEP for Buildings (Self-Paced) (20 Hours)
- MEP Blueprint Reading (Self-Paced) (20 Hours)

Fundamentals of MEP for Buildings (Self-Paced)

This course is an in-depth study of MEP and building systems, including thermal comfort, indoor air quality, HVAC controls & how plumbing, electrical & emergency distribution systems function.

- Thermal comfort and indoor air quality
- The types and major components of a mechanical system
- The purpose of HVAC controls
- How plumbing systems function
- Domestic water, drain, waste, and vent lines
- Components of the electrical distribution system
- Emergency and standby power

MEP Blueprint Reading (Self-Paced)

This course provides a thorough introduction to reading and interpreting mechanical, electrical, and plumbing (MEP) blueprints. You'll gain the skills to confidently work through HVAC layouts, power and lighting plans, and plumbing schematics used in construction documents. In this course, you'll learn the following:

- Build a solid foundation in reading and understanding MEP blueprints
- Recognize and evaluate key elements within HVAC, electrical, and plumbing systems
- Apply blueprint reading skills to real-world construction scenarios

- Accurately interpret symbols, scales, and detailed technical drawings
- Strengthen your ability to collaborate with design and construction teams using MEP documents
- Review practical strategies for resolving common blueprint interpretation challenges