



BCN1275 Building Construction Plans Interpretation 2

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Course Description: Plan interpretation of complex working drawings for multi-story residential and commercial buildings. Students will learn to read and understand construction working drawings, identifying structural systems and their details. Familiarity with all aspects of complex working drawings will be addressed. (3 hr. lecture)
Prerequisite: BCN1272

Course Competency	Learning Outcomes
<p>Competency 1: The student will demonstrate knowledge of the concepts of building construction representation for multistory and commercial buildings by:</p>	2. Numbers / Data 4. Information Literacy 8. Computer / Technology Usage 9. Aesthetic / Creative Activities
1. Identifying architectural symbols used in multi-story and commercial working drawings and the materials represented. 2. Identifying the symbols for commercial electrical, mechanical, and plumbing materials, equipment and installations. 3. Identifying the expanded alphabet of lines and the purpose of lines within the drawing.	
<p>Competency 2: The student will demonstrate knowledge of wood, concrete, masonry, and steel in multistory and commercial construction details by:</p>	2. Numbers / Data 4. Information Literacy 8. Computer / Technology Usage 9. Aesthetic / Creative Activities
1. Identifying the various components of wood, concrete and masonry construction in multi-story buildings. 2. Identifying the various components of wood, concrete, masonry, and steel construction in commercial buildings. 3. Identifying dimensions and standard sizes for materials. 4. Analyzing standard assemblies of wood, concrete, masonry, and steel materials in multistory and commercial construction details.	
<p>Competency 3: The student will demonstrate ability to use and read Architect's and Engineer's scales by:</p>	2. Numbers / Data 4. Information Literacy 8. Computer / Technology Usage 9. Aesthetic / Creative Activities
1. Obtaining accurate dimensions and sizes using different scales shown in drawings for multi-story and commercial buildings. 2. Identifying dimensioning methods used for the various drawing elements and construction types.	
<p>Competency 4: The student will demonstrate ability to obtain specific information about buildings by:</p>	2. Numbers / Data 4. Information Literacy 8. Computer / Technology Usage 9. Aesthetic / Creative Activities
1. Reading and interpreting the different building components as drawn and detailed in a set of	

working drawings for multistory and commercial buildings. 2. Understanding the complex concepts of building construction sequence for multi-story and commercial buildings as related to drawings in a set.