

### BCN1272 Building Construction Plans Interpretation

#### BCN1272      **Building Construction Plans Interpretation**

**Course Description:** Develops the students' ability to interpret working drawings. Students will learn the conventions of graphic and symbolic language used by construction professionals to communicate information on drawings. Emphasis is on architectural and structural details with limited coverage on mechanical and electrical aspects. ( 3 hr. lecture )

Course Competency	Learning Outcomes
<p><b>Competency 1:</b> The student will demonstrate knowledge of the fundamental concepts of building construction representation by:</p>	2. Numbers / Data 4. Information Literacy 8. Computer / Technology Usage 9. Aesthetic / Creative Activities
1. Interpreting orthographic projections of building components. 2. Identifying architectural symbols used in working drawings and the materials represented. 3. Identifying the symbols for electrical, mechanical, and plumbing materials and equipment. 4. Identifying the alphabet of lines and the purpose of lines within the drawing.	
<p><b>Competency 2:</b> The student will demonstrate knowledge of wood and masonry 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 and masonry construction in residential buildings. 2. Identifying dimensions and standard sizes of materials. 3. Analyzing standard assemblies of wood and masonry materials in construction details.	
<p><b>Competency 3:</b> The student will develop 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. Identifying different scales used in construction drawings. 2. Obtaining accurate dimensions and sizes using different scales shown in drawings. 3. Identifying dimensioning methods used for the various drawing elements and construction types.	
<p><b>Competency 4:</b> The student will develop 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. 2. Understanding the fundamental concepts of building construction sequence as it relates to drawings in a set.	

