

CMT 102 - CONSTRUCTION BLUEPRINT READING

Course Description

Students will learn the skills needed to read and understand construction drawings, as well as an understanding of manufacturers' literature of component parts used in buildings. Both commercial and residential construction materials and drawings are studied. Problems encountered in design development such as site limitations, zoning restrictions, utility availability, coordination of product specifications, adherence to building codes and life safety are explored. Group 2 course.

Credit Hours

3

Contact Hours

3

Recitation Hours

3

Recommended Prerequisites or Skills Competencies

Placement into MTH 111 or co-enrollment in MTH 100, placement into ENG 111 or co-enrollment in ENG 99/108

Course Learning Outcomes

Knowledge:

- Identify specific blueprint information needed in the project.

Application:

- Analyze the design process needed to develop construction blueprints.

Integration:

- Integrate knowledge of blueprint reading as it relates to building construction projects.

Human Dimension:

- Resolve elementary problems with blueprints with design professionals.

Caring - Civic Learning:

- Communicate construction questions and issues.

Learning How to Learn:

- Develop a skill set for quick identification of information within a set of construction blueprints.