BCCM 1150

Division: Career and Technical Education
Department: Building Construction and Construction Management
Course: BCCM 1150
Title: Blueprint Reading
Catalog Description:

In this course students become familiar with the symbols, terms, specifications, relationships of views, measurements, sections and details for proper interpretation of plans used for residential and light commercial buildings.

General Education Requirements: N/A
Semesters Offered: Fall
Credit/Time Requirement: Credit: 2; Lecture: 2; Lab: 0
Clock/Hour Requirements: 0
Offered for Non-Credit: No
Prerequisites: N/A

Corequisites: N/A

Justification:

This course provides essential skills needed by students who want to pursue a career in the building construction, architecture and related fields.

Student Learning Outcomes:

Upon successful completion of this course, students will:

- understand, read and interpret residential house plans and specifications
- learn to accurately interpret symbols, terms, and schedules related to residential house plans or blueprints for use on the job site.

Content:

This course will include:

- drawings - the language of industry
    - the design - construction process
    - basic views

- reading drawings for trade information
    - site preparation and earthwork
    - foundations
    - framing
    - roof construction
    - exterior trim
    - miscellaneous exterior work
    - finish the interior
    - real estate essentials
    - contract documents.

General Education Outcomes:

6) Apply computational skills to a variety of contexts.

Students will learn how to compute roof and stair components and other related parts of a residential building.

Applied Education Outcomes:

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

The student will be able to read a set of residential building plans (blueprints) and determine the detail needed to help complete the bidding, framing, and similar construction processes needed to construct a residential building.

Key Performance Indicators:

Outcome assessment will be determined by:

- attendance (10%)
- performance on project drawings assignments (30%)
- scores on faculty developed tests from the objectives of the course (60%).

Percentages are approximate.

Representative Text and/or Supplies:

- Koel, Leonard, *Construction Print Reading,* current edition, Albany, New York: Delmar Publishers. (Text comes with 3 sets of plans).

Optimum Class Size: 12
Maximum Class Size: 20

Signatures:

I hereby submit this course syllabus:

Officer Robert Wright, ,

I hereby find this course consistent with the goals and resources of the Building Construction and Construction Management Department:

Marlin Christensen, M. Ed., Instructor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)