BCCM 1150

Division: Career and Technical Education
Department: Construction Technology
Course: BCCM 1150
Title: Construction Print Reading (formerly Blueprint Reading)
Catalog Description:

In this course, students learn the symbols, terms, specifications, relationships of views, measurements, sections, and details for proper interpretation of plans used for residential and light commercial buildings. This is a half s emester course.

General Education Requirements: N/A
Semesters Offered: Fall 1
Credit/Time Requirement: Credit: 2; Lecture: 4; Lab: 0
Clock/Hour Requirements: 60
Offered for Non-Credit: Yes
Justification:

This course provides essential skills for students who want to pursue a career in 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
- accurately interpret symbols, terms, and schedules related to residential construction prints and house plans.

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
- contract documents.

General Education Outcomes:

6) Apply computational skills to a variety of contexts.

Students know how to compute roof and stair components and other related parts of a residential building for interpretation of plans. With instructor supervision and feedback, students calculate building components; such as, rafter lengths.

Applied Education Outcomes:

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

Students will be able to read a set of residential building plans (construction prints) and determine the detail needed to complete bidding, framing, and other construction processes needed to construct a residential building. Student competency in these areas will be assessed through written tests and the final exam.

Key Performance Indicators:

Student Learning Outcomes will be assessed by one or more of the following Key Performance Indicators:

- attendance
- performance on project drawing assignments
- exams/quizzes (written or oral).

Representative Text and/or Supplies:

- Hunt, Understanding Construction Drawings, current edition, Clifton Park, New York: Delmar, Cengage Learning. (text comes with several sets of plans)
- Architect's scale

Optimum Class Size: 12
Maximum Class Size: 16

Signatures:

I hereby submit this course syllabus:

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Marlin Christensen, M. Ed., Instructor

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

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Marlin Christensen, M. Ed., Instructor, Chair

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

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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:

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

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)