



BCCM 2270

Division: Career and Technical Education

Department: Construction Technology

Course: BCCM 2270

Title: Construction Codes and Zoning

Catalog Description:

This course provides an introduction to the practical applications of the uniform building code especially inspection procedures and requirements for residential and light commercial construction. The National Green Building Standard will also be part of this course of study.

General Education Requirements: N/A

Semesters Offered: Spring

Credit/Time Requirement: Credit: 2; Lecture: 2; Lab: 0

Clock/Hour Requirements: 30

Offered for Non-Credit: Yes

Prerequisites: N/A

Corequisites: N/A

Justification:

This course provides a vital understanding of the codes that provide the standards for construction of residential and commercial buildings. (A required course for graduation)

Student Learning Outcomes:

Upon successful completion of this course, students will:

- be able to develop the ability to understand, read, and interpret code requirements as they apply to residential buildings
- interpret tables, terms, and schedules in the International Residential Building Code and apply them on the job site.

Content:

This course will include:

- building permits and occupancy requirements
- types of construction, fire resistance, and safety

- concrete, masonry, and foundations; chimneys and fireplaces
- engineering and design requirements; framing and roof systems
- finish materials and installation procedures.

General Education Outcomes:

1) Read effectively, constructively, and critically.

Students will understand how to read and interpret building code information and where to find specific requirements for the residential building code.

Applied Education Outcomes:

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

Each student will know all basic construction codes and zoning information by text book study and tests.

2) Students will become aware of industry specific certification and develop skills sufficient to acquire the same.

By completion of the project home, each student will have experienced the basic codes and zoning information that are used for residential building.

4) Students will demonstrate interpersonal skills specific to the skills and environment inherent in their field.

Each student will know how to communicate with other co-workers or building inspectors about specific codes used for building residential homes.

Key Performance Indicators:

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

- written assignments
- attendance
- participation
- exams/quizzes (written or oral).

Representative Text and/or Supplies:

- *International Residential Code*, current edition, International Code Council, Whittier, California.

Optimum Class Size: 12

Maximum Class Size: 20

Signatures:

I hereby submit this course syllabus:

Marlin Christensen, M. Ed., Instructor

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