

College of San Mateo
Official Course Outline

1. **COURSE ID:** BLDG 700 **TITLE:** Introduction to the Building Code
Units: 3.0 units **Hours/Semester:** 48.0-54.0 Lecture hours; and 96.0-108.0 Homework hours
Method of Grading: Grade Option (Letter Grade or P/NP)
2. **COURSE DESIGNATION:**
Degree Credit
Transfer credit: none
AA/AS Degree Requirements:
 CSM - GENERAL EDUCATION REQUIREMENTS: E5d. Career Exploration and Self-Development
3. **COURSE DESCRIPTIONS:**
Catalog Description:
 Introduction to the International Building Code with additional overview of Building Department procedures, code development process, general California laws and regulations relating to building inspection. Review of inspector certifications available through model code organizations.
4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**
 Upon successful completion of this course, a student will meet the following outcomes:
 1. Demonstrate an understanding of building code history
 2. Identify the appropriate section of the building code to apply different issues with plans, structural inspections, etc and explain what impact the code has on the issues identified.
 3. Describe the development process, adoption method and purpose of building codes.
 4. Describe building elements, types and occupancies.
 5. Locate applicable code sections within the International Building Code.
5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**
 Upon successful completion of this course, a student will be able to:
 1. Demonstrate an understanding of building code history.
 2. Identify the appropriate section of the building code to apply different issues with plans, structural inspections, etc and explain what impact the code has on the issues identified.
 3. Describe the development process, adoption method and purpose of building codes.
 4. Describe building elements, types and occupancies.
 5. Locate applicable code sections within the International Building Code.
6. **COURSE CONTENT:**
Lecture Content:
 1. Introduction to the California Code of Regulations, Title 24 (1 Session)
 2. Requirements for submittals plan checks, permit issuance, valuations, and fees. (½ Session)
 3. Administrative provisions. (½ Session)
 4. Occupancy and use. (2 Sessions)
 5. Types of construction. (1 Session)
 6. Interior environment. (2 Sessions)
 7. Roofing and exterior coverings. (2 Sessions)
 8. Accessibility and egress. (2 Sessions)
 9. Masonry, glazing and wall coverings. (2 Sessions)
 10. Overview of structural sections of International Building Code. (2 Sessions)
 11. Introduction of mechanical, plumbing and electrical codes. (1 Sessions) Session durations are suggested. Instructors may change emphasis.
7. **REPRESENTATIVE METHODS OF INSTRUCTION:**
 Typical methods of instruction may include:
 - A. Lecture
 - B. Other (Specify): Visual presentations, material demonstrations, reading assignments, handouts from multiple sources
8. **REPRESENTATIVE ASSIGNMENTS**

Representative assignments in this course may include, but are not limited to the following:

Writing Assignments:

Assignments would include but not be limited to: reading sections of the building code and relating the information to solving a problem posed in the homework; examination and discussion of cases; discussions in class around problems posed by the instructor and how the code leads to an answer/solution.

Reading Assignments:

The reading assignments are centered on sections of the official code book and on hand-outs the instructor provides from recent articles published in the Building Inspection industry.

9. REPRESENTATIVE METHODS OF EVALUATION

Representative methods of evaluation may include:

- A. Class Participation
- B. Class Performance
- C. Class Work
- D. Exams/Tests
- E. Quizzes

10. REPRESENTATIVE TEXT(S):

Possible textbooks include:

- A. unknown. *International Building Code (current edition)*, ed. International Code Council, 2015
- B. unknown. *Legal Aspects of Code Administration (current edition)*, ed. International Code Council, 2015

Origination Date: August 2016

Curriculum Committee Approval Date: October 2016

Effective Term: Fall 2017

Course Originator: Anne Figone