

College of San Mateo Course Outline

- New Course
 Update/No change
 Course Revision (Minor)
 Course Revision (Major)

Date: 11/30/07

Department: BLDG Number: 790

Course Title: Blueprint Reading for Construction Units: 3.0

Hours/Week: Lecture: 3.0 Lab: 0.0 By Arrangement: 0.0

Length of Course

- Semester-long
 Short course (Number of weeks ____)
 Open entry/Open exit

Grading

- Letter
 Credit/No Credit
 Grade Option (letter or Credit/No Credit)

1. Prerequisite (Attach Enrollment Limitation Validation Form.)

None

2. Corequisite (Attach Enrollment Limitation Validation Form.)

None

3. Recommended Preparation (Attach Enrollment Validation Form.)

None

4. Catalog Description (Include prerequisites/corequisites/recommended preparation.)

This course provides an overview of the building, mechanical, plumbing and electrical sections under the provisions of the International Residential Code. It is suitable for jurisdictional or home inspectors, facility managers, contractors, architects, engineers and those in related fields of the real estate profession. (Since this course may cover an updated version of the code, it may be taken four times for a maximum of 12 units.)

5. Class Schedule Description (Include prerequisites/corequisites/recommended preparation.)

This course provides an overview of the building, mechanical, plumbing and electrical sections under the provisions of the International Residential Code. It is suitable for jurisdictional or home inspectors, facility managers, contractors, architects, engineers and those in related fields of the real estate profession. (Since this course may cover an updated version of the code, it may be taken four times for a maximum of 12 units.)

6. Student Learning Outcomes (Identify 1-6 expected learner outcomes using active verbs.)

Upon successful completion of the course, the student will be able to:

- 1) Read and analyze plans and symbols
- 2) Determine the legal requirements on a set of plans
- 3) Identify, interpret, and properly use blueprint terms
- 4) Identify and label symbols for construction materials and utility systems
- 5) Paraphrase building codes and their relation to blue plans

7. **Course Objectives** (Identify specific teaching objectives detailing course content and activities. For some courses, the course objectives will be the same as the student learning outcomes. If this is the case, please simply indicate this in this section).

Same as above, but additionally the ultimate Student Objective is to pass the appropriate national and/or state licensing exam(s)

8. **Course Content** (Brief but complete topical outline of the course that includes major subject areas [1-2 pages]. Should reflect all course objectives listed above. In addition, you may attach a sample course syllabus with a timeline.)

See attachment.

9. **Representative Instructional Methods** (Describe instructor-initiated teaching strategies that will assist students in meeting course objectives. Include examples of out-of-class assignments, required reading and writing assignments, and methods for teaching critical thinking skills.) If hours by arrangement are required by this course, indicate the additional instructional activity which will be provided during this time.

Lectures, group discussion, material demonstrations, guest speakers, written examinations.

10. **Representative Methods of Evaluation** (Describe measurement of student progress toward course objectives. Courses with required writing component and/or problem-solving emphasis must reflect critical thinking component. If skills class, then applied skills.)

Critique of a home inspection reports, short quizzes, and final exam.

11. **Representative Text Materials** (With few exceptions, texts need to be current. Include publication dates.)

- 1) Council of American Building Officials (CABO) One- and Two-Family Dwellings Code, by the Council of American Building Officials, 1995
- 2) NFPA 70A: National Electrical Code Requirements for One-and Two-Family Dwellings, by the Council of American Building Officials, 2005
- 3) Uniform Building Code (UBC), Council of American Building Officials, 1997

013: H1 exam Syllabus Textbook

Prepared by:

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Submission Date:

*approved 2/14/08
see next
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