



BLD 151: Building Codes I

Spring Term 2011 (3 Credits)

Classroom: Columbia Hall Rm: 221

Thursday 5:30 – 8:50 P.M. First Class March 31, 2011

Instructor: Jack E. Applegate, CBO
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Office Hours: Columbia Hall Rm: 221 Classrooms 6:00- 8:50 PM Each Thursday By Cell Phone Daily, Other office hours by appointment. Email Preferred.
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Course Description: Building Codes I: learn and apply the provisions of the 2011 Oregon Residential Specialty Code. Understanding how to read and interpret the code and apply that knowledge to historic preservation of structures in the field. **Special emphasis will be put on code changes in the 2011 ORSC.**

REQUIRED TEXTS:

2011 Oregon Residential Specialty Code, available soon. Will not need until week 3.

Materials Needed: Scaled Ruler, 3 Ring Binder with dividers, Zip drive.

Class Assignments and Exams Consist of the Following:

Random Closed Book Quizzes and Readings with Participation in Discussion of Texts

Exams: There will be one midterm and a one final exam. The midterm will consist of a 100 Question take home test. The final exam will be held during finals week and will consist of a blue print code review in class and 50 question test in class, closed book. **Subject to change.**

The Binder: Students are also to keep a binder of their weekly notes, assignments, handouts and quizzes. This may be handwritten or typed. The purpose is to maintain a reference book for future use. Items should be kept in order and organized. Final Binder will be graded and may be allowed for use on final exam.

Course Description

Students will learn and apply the provisions of the building code and the Oregon Residential Specialty Codes. They learn how to read and interpret the code and apply that knowledge to historic preservation of structures. Students will also learn to review drawings and apply for building permits.

Course Objectives:

- ✓ Understand the provisions of the Specialty Code in relation to historic buildings.
- ✓ Learn to review construction drawings for code compliance.
- ✓ Understand the intent of the codes.
- ✓ Learn the applicable Oregon Revised Statutes and Oregon Administrative rules affecting codes.
- ✓ Through field exercises identify code violations and dangerous conditions.

Grading Policy:

- ✓ Midterm Exam (20%)
- ✓ Final Exam (50%)
- ✓ Participation in discussions, Attendance (20%)
- ✓ Quizzes and Binder (10%)

Must Attend both labs or student will receive an incomplete!!!!!!

Academic Integrity

Each student in this course is expected to abide by the college's code of academic integrity. Any work submitted by a student in this course for academic credit will be the student's own. A student who cheats on exams or submits work that is borrowed from another individual or publication without providing a citation may face academic discipline, including lowering of grades or a failing grade. Students may by prearrangement present joint projects.

Accommodations for students with disabilities

Students with documented disabilities are entitled to reasonable accommodations. To receive services, contact Services for Students with Disabilities, 338-2474, TDD—325-2902

Non-Discrimination

It is the policy of Clatsop Community College that there will be no discrimination or harassment on the grounds of race, color, sex, marital status, religion, national origin, age, sexual orientation, or disability in any educational programs, activities, or employment.

Behavior: Students shall comply with all of the rules and policies of Clatsop Community College. During Labs student will be required to stay in direct view of the instructor at all times and student shall be prepared for inclement weather.

COURSE OUTLINE AND ASSIGNMENTS

Week 1	Introduction, History of Building Codes, Administration, Permits
Week 2	Lecture and Discussion Historic Building Exceptions, Quiz
Week 3	Lecture: Chapter 2 and 3 of the ORSC. , Quiz
Week 4	Lecture: Chapters 3 and 4 of the ORSC, Quiz
Week 5	Lecture: Dangerous Buildings Code, Quiz
Week 6	Lecture: Foundations, Chapter 5
Week 7	Discussion, Review and Pass Out Mid Term Exam, Field Trip/Lab: Framing
Week 8	MIDTERM EXAM (turn in your take-home Mid Term. Review
Week 9	Lecture Wall Bracing, Chapter 6 of the ORSC, Roof Framing and Shear Requirements.
Week 10	Field Trip/Lab, Heating and Mechanical Systems, Plumbing Basics
Week 11	Binder Due, Review of Course, Discussions, Final Preparation/ (Final if no week 12)
Week 12 (If Applicable)	Final Exam,

Schedule above may Change as conditions require and labs are available.

Additional Resources:

- 1) **2008 Oregon residential Specialty Code (View Only Free Online)**
http://www2.iccsafe.org/states/oregon/08_Residential/08Res_Frameset.html
- 2) **Oregon Building Codes Division Web Site, <http://www.cbs.state.or.us/bcd/>**

Commentary: This class will be fast paced with many examples of field situations, photos and web based instruction. The field trip/labs will be a critical component and attendance at both will be a mandatory requirement for course completion. The field experience is critical in learning the code provisions. Students should expect to spend about 3 hours of time per week outside of class for studying, homework and quiz preparation.