

THREE RIVERS COMMUNITY COLLEGE
BUILDING CODES & ORDINANCES
 Spring Semester 2007, Tuesday 6 – 8:45pm

Instructor: Mark Tebbetts, ph _____ email _____

Grade: Quizzes (4) 50% Mid term 25% Final 25%

Course Objectives:

To introduce the Architectural Design and Technology students to the origins, scope and administration of local, state and federal codes and ordinances. Students will be exposed to the elements of these codes and ordinances and to the impacts they have on the design, construction, and occupancy of a project. Students will develop a working knowledge of the subject material as they track a hypothetical project from preliminary zoning research, through design and construction and ultimately the issuance of a “certificate of occupancy”.

Method: Lectures, Slide Lectures, Simulations, Class Discussion

Text: **International Building Code (IBC) 2003, (and Instructor Supplements)**
(Note: The course’s weekly subjects follow the book’s layout in sequential chapter order. Please read corresponding subject-chapter material prior to each class.)

<u>Week 1</u> (1/23)	Over-view (Introduction) A Historic Look at Codes & Ordinances	<u>Week 9</u> (3/20)	Spring Break No Classes in Session
<u>Week 2</u> (1/30)	Zoning Regulations Use, Bulk, Design & Hazard Zones	<u>Week 10</u> (3/27)	Accessibility pp225-236 Circulation & Barrier-Free
<u>Week 3</u> (2/06)	Use Group and Occupancy pp23-37 Table 302.3.2	<u>Week 11</u> (4/03)	Interior Environment p239-242 Walls, Floors & Ceilings
<u>Week 4</u> (2/13)	General Building Limitations pp73-77 Table 503	<u>Week 12</u> (4/10)	Exterior Envelopes pp243-265 Walls and Roofs
<u>Week 5</u> (2/20)	Types of Construction pp81-82 Tables 601 & 602	<u>Week 13</u> (4/17)	Structural Design pp267-343 Live/Dead Loads, Lateral Forces
<u>Week 6</u> (2/27)	Fire Resistance Rated Constr. pp85-110 Fire Walls, Penetrations & Openings	<u>Week 14</u> (4/24)	Materials pp362-341 Soils, Concrete, Masonry
<u>Week 7</u> (3/06)	Means of Egress pp193-223 Path-of-travel, Stairs, Exits	<u>Week 15</u> (5/01)	Materials pp437-542 Steel, Wood, Glazing, Gyp. Bd.
<u>Week 8</u> (3/13)	Means of Egress Cont’d Path-of-travel, Stairs, Exits Plumbing	<u>Week 16</u> (5/08)	MEP Systems Mechanical, Electrical &

COURSE REQUIREMENTS:

Notebook

Students will assemble a notebook, to be made up of handouts distributed at the beginning of each class. A 3” “*Slant-ring*” notebook with plastic sheet protectors is recommended – this will be a good resource for future reference.