THREE RIVERS COMMUNITY COLLEGE

BUILDING CODES & ORDINANCES ARC K227

Spring Semester 2012, Tuesday 6 – 8:45pm

Instructor: Rick Staub, AIA, ph 860-434-7707, email staub@pointonearchitects.com

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.)*

Week 1 (1/24)	**Over-view** (Introduction) A Historic Look at Codes & Ordinances	Week 9 (3/20)	**Spring Break** No Classes in Session
Week 2 (1/31)	**Zoning Regulations** Use, Bulk, Design & Hazard Zones	Week 10 (3/27)	**Accessibility** pp 225-236 Circulation & Barrier-Free
Week 3 (2/07)	**Use Group and Occupancy** pp 23-37 Table 302.3.2	Week 11 (4/03)	**Interior Environment** p239-242 Walls, Floors & Ceilings
Week 4 (2/14)	**General Building Limitations** pp 73-77 Table 503	Week 12 (4/10)	**Exterior Envelopes** pp 243-265 Walls and Roofs
Week 5 (2/21)	**Types of Construction** pp 81-82 Tables 601 & 602	Week 13 (4/17)	**Structural Design** pp 267-343 Live/Dead Loads, Lateral Forces
Week 6 (2/28)	**Fire Resistance Rated Constr.** pp 85-110 Fire Walls, Penetrations & Openings	Week 14 (4/24)	**Materials** pp 362-341 Soils, Concrete, Masonry
Week 7 (3/06)	**Means of Egress** pp 193-223 Path-of-travel, Stairs, Exits	Week 15 (5/01)	**Materials** pp 437-542 Steel, Wood, Glazing, Gyp. Bd.
Week 8 (3/13)	**Means of Egress** Cont'd Path-of-travel, Stairs, Exits	Week 16 (5/08)	**MEP Systems** Mechanical, Electrical & Plumbing

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.

ACADEMIC PERFORMANCE

Lecture Period:

Students shall respect the classroom environment. Professors invest valuable time in lecture preparation to make the course content organized, interesting, and understandable and to make the learning environment collegial. Unless specifically directed by the professor, students shall refrain from sending email and instant messages, or from engaging in other activities (reading non-course materials, engaging in private conversations and so on), that disrespect the classroom environment and learning conditions for others.

Access to the Internet can be a valuable aid to the classroom learning environment. Students are encouraged to use laptops, smart phones, and other devices in order to explore concepts related to course discussions and topics. Students are discouraged from using technology in ways that distract from the learning community (e.g. Facebook, texting, work for other classes, etc.) and if found doing so, will be asked to leave the classroom for the day and will not get credit for attendance that class period.

Assessment:

Assessment of your mastery of the Courses learning objectives is administered through quizzes, exams, and essays. These are announced with ample preparation time and sometimes a study guide. Upon absence from a class in which an assessment is given, it is the student's responsibility to request, coordinate and schedule, a makeup date and time with the professor. Assessments not made up within one week from when initially given will result a three point reduction from the score earned, per class period lapse.

Integrity:

Any and all exams, papers or reports submitted by you and that bears your name is presumed to be your own original work that has not previously been submitted for credit in another course unless you obtain prior written approval to do so from your professor.

In all of your assignments, including homework or drafts of papers, you may use words or ideas written by other individuals in publications, web sites, or other sources but only with proper attribution. "Proper attribution" means that you have fully identified the original source and extent of your use of the words or ideas of others that you reproduce in your work for this course, usually in the form of a footnote or parenthesis.

As a general rule, if you are citing from a published source or from a web site and the quotation is short (up to a sentence or two), place it in quotation marks; if you employ a longer passage from a publication or web site, please indent it and use single spacing. In both cases, be sure to cite the original source in a footnote or in parentheses. (See http://www.plagiarism.org/plag_article_how_do_I_cite_sources.html for more information on citing.)

If you are uncertain about the expectations for completing an assignment or taking a test or examination, be sure to seek clarification from your professor beforehand.

Finally, you should keep in mind that as a member of the Three Rivers Community College community, you are expected to demonstrate integrity in all of your academic endeavors and will be evaluated on your own merits.

Be proud of your academic accomplishments and help to protect and promote academic integrity. The consequences of cheating and academic dishonesty may include a formal discipline file, possible loss of financial scholarship or employment opportunities, and denial of admission to a four year college.