

THREE RIVERS COMMUNITY COLLEGE
BUILDING MATERIALS ARC K108
 Spring Semester 2011, Wednesday 6pm - 8:45pm

Instructor: Chuck Canavan, ph _____, email Ccanavan@trcc.commnet.edu

Grade: Quizzes (4) 75% Final 25%

Course Objectives:

This course introduces students to the source, use and limitations of materials used in building construction. Emphasis shall be placed on the basic design concepts and the practical applications of building materials in-the-field. Focus is also placed on historical uses of material as design expression. Practical working knowledge is attained through site visits of projects under construction (as available).

Method: Lectures, Slide Lectures, Simulations, Class Discussion

Text: **Building Construction Illustrated, Francis D.K. Ching, (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> (1/26)	Over-view (Introduction) A Historic Look at Materials	<u>Week 9</u> (3/23)	Thermal & Moisture Theories, Products & Uses
<u>Week 2</u> (2/02)	Site Work Site Product Function and Performance	<u>Week 10</u> (3/30)	Doors and Windows Products and Design
<u>Week 3</u> (2/09)	Concrete Properties, Uses & Limits	<u>Week 11</u> (4/06)	Finishes Walls, Floors & Ceilings
<u>Week 4</u> (2/16)	Masonry Products, Uses & Assembly	<u>Week 12</u> (4/13)	Finishes Cont'd Trim and Millwork
<u>Week 5</u> (2/23)	Woods Rough Carpentry	<u>Week 13</u> (4/20)	Mechanical Plumbing & HVAC
<u>Week 6</u> (3/02)	Woods Cont'd Finish Carpentry	<u>Week 14</u> (4/27)	Electrical Service, Circuitry and Fixtures
<u>Week 7</u> (3/09)	Metals Properties, Products & Uses	<u>Week 15</u> (5/04)	REVIEW Course material recap
<u>Week 8</u> (3/16)	Spring Break No Class in Session	<u>Week 16</u> (5/11)	Final Exam Course Complete

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.