

THREE RIVERS COMMUNITY COLLEGE
BUILDING MATERIALS
 Spring Semester 2005, Tuesday 6pm - 8:45pm

Instructor: Professor Mark Comeau, (885-2387,), email mcomeau@trcc.commmnet.edu

Grade: Quizzes (4) 50% Mid term 25% 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> (1/25)	<u>Over-view</u> (Introduction) A Historic Look at Materials	<u>Week 9</u> (3/22)	Spring Break No Classes in Session
<u>Week 2</u> (2/01)	<u>Site Work</u> Site Product Function and Performance	<u>Week 10</u> (3/29)	Doors and Windows Products and Design
<u>Week 3</u> (2/08)	<u>Concrete</u> Properties, Uses & Limits	<u>Week 11</u> (4/05)	Finishes Walls, Floors & Ceilings
<u>Week 4</u> (2/15)	<u>Masonry</u> Products, Uses & Assembly	<u>Week 12</u> (4/12)	Finishes Cont'd Trim and Millwork
<u>Week 5</u> (2/22)	<u>Woods</u> Rough Carpentry	<u>Week 13</u> (4/19)	Mechanical Plumbing & HVAC
<u>Week 6</u> (3/01)	<u>Woods Cont'd</u> Finish Carpentry	<u>Week 14</u> (4/26)	Electrical Service, Circuitry and Fixtures
<u>Week 7</u> (3/08)	<u>Metals</u> Properties, Products & Uses	<u>Week 15</u> (5/03)	REVIEW Course material recap
<u>Week 8</u> (3/15)	<u>Thermal & Moisture</u> Theories, Products & Uses	<u>Week 16</u> (5/10)	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.