

Building Materials Syllabus

Tuesday & Thursday, 4:00 - 5:20 PM

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

Grade: Quizzes (4) 50% Project 25% Final 25%

Course Objectives:

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

Method: Lectures, Slide Lectures, Simulations, Class Discussion

Text: **Building Construction Illustrated**, Francis D.K. Ching, (and Instructor Supplement)

(Note: The course's weekly subjects follow the book's layout in sequential chapter order and corresponding subject-chapter material prior to each class.)

Week 1 **Over-view** (Introduction)
(1/21) A Historic Look at Materials

Week 2 **Site Work**
(1/28) Site

Week 3 **Concrete**
(2/04) Properties, Uses & Limits

Week 4 **Masonry**
(2/11) Products, Uses & Assembly

Week 5 **Metals**
(2/18) Properties, Products & Uses

Week 6 **Woods**
(2/25) Rough Carpentry

Week 7 **Woods**
(3/04) Finish Carpentry

Week 8 **Thermal & Moisture**
(3/11) Theories, Products & Uses

COURSE REQUIREMENTS:

Notebook