

THREE RIVERS COMMUNITY/TECHNICAL COLLEGE
BUILDING MATERIALS
ARC 2220-01
Syllabus - Spring 2002

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Grading: 4 Quizzes = 50%, Mid-term Exam = 25%, Final Exam = 25%

Objective: 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". Practical working knowledge is attained through site visits of projects under construction (as available).

Text: Building Construction Illustrated, Francis D.K. Ching

<u>Week 1:</u> 1/23	Site Elements; Natural and Cultural	<u>Week 09:</u> 3/20	Thermal & Moisture Protection; Roofing, Siding & Insulation
<u>Week 2:</u> 1/30	Concrete; Properties and Ad-mixes	<u>Week 10:</u> 3/27	Doors & Windows; Residential & Commercial
<u>Week 3:</u> 2/06	Masonry; Properties, Patterns, Bonds	<u>Week 11:</u> 4/03	Finishes; Walls, Flooring & Millwork
<u>Week 4:</u> 2/13	Wood; Rough Carpentry	<u>Week 12:</u> 4/10	Equipment & Assessories; Fixtures & Furnishings
<u>Week 5:</u> 2/20	Wood; Finish Carpentry	<u>Week 13:</u> 4/17	Mechanical; Plumbing & HVAC
<u>Week 6:</u> 2/27	Wood; Finish Carpentry	<u>Week 14:</u> 4/24	Electrical; Service, Wiring
<u>Week 7:</u> 3/06	Metals; Properties, Structural & Non	<u>Week 15:</u> 5/01	Design Topics; Aesthetics, Form, Texture, Color
<u>Week 8:</u> 3/13	Spring Break; No Classes	<u>Week 16:</u> 5/08	Compliance Topics; Codes, Flame Spread, STC, etc.

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.