

# Inver Hills Community College

## CMSV 2890: Building Organization & Technology

### A. COURSE DESCRIPTION

Credits: 3

Prerequisites: None

Lecture Hours/Week: 3

Corequisites: None

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

MnTC Goals: None

Introduces the varied technology that comprise buildings and an exploration into the sequential process of building construction. Theories of building types, functional organizations, and material applications are presented. This course also includes the identification of historic basis for and comparison between basic building materials and construction methods. The importance of building assembly sequences is also presented.

### B. COURSE EFFECTIVE DATES: 05/25/1999 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Acoustical properties
2. Air leakage and water vapor control
3. Building assembly sequences
4. Fire related properties
5. Legislative constraints on construction
6. Loads on buildings
7. Material applications
8. Movement control
9. Structural properties of materials
10. Thermal properties of materials
11. Transparency in buildings
12. Water leakage control

### D. LEARNING OUTCOMES (General)

1. Review, understand and utilize resources and information required in construction management
2. Prescribe the physical basis, technical specifics and sequential processes for building construction
3. Demonstrate oral and written communication skills be interpreting and describing building construction projects individually and in groups
4. Apply building organization skills to a real building planning and construction project

### E. LEARNING OUTCOMES (MN Transfer Curriculum)

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted