A. COURSE DESCRIPTION
  Credits: 3
  Lecture Hours/Week: *.*
  Lab Hours/Week: *.*
  OJT Hours/Week: *.*
  Prerequisites: None
  Corequisites: None
  MnTC Goals: None
  Comprehensive study of construction materials, their characteristics, applications and testing.
  Prerequisite(s): Junior status or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/25/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
  1. Concrete
  2. Design & Contracting
  3. Doors & Windows
  4. Finishes
  5. HVAC
  6. Masonry
  7. Metals
  8. Properties of Materials
  9. Special Construction
  10. Sustainable Considerations
  11. Thermal & Moisture Protection
  12. Utilities
  13. Woods, Plastics & Composites

D. LEARNING OUTCOMES (General)
  1. learn to read, interpret, and understand construction drawings.
  2. develop the ability to make intelligent decisions about the materials used in building based on the drawings and specifications.
  3. develop knowledge of materials as they fit-into and relate to construction projects.
  4. understand building & engineering technology as it relates to construction materials.
  5. understand the role of sustainable (green) construction as it related to the environment.
  6. understand the role of the engineer, draft-person/designer or architect as it relates to a construction project.
  7. become familiar with construction concepts, materials and practices.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
  None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted