



METHODS AND MATERIALS I — IDES 1020

A. Course Description

- **Credits:** 3.00
- **Lecture Hours/Week:** 3.00
- **Lab Hours/Week:** 0.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course will introduce the beginning architectural technology or interior design student to the properties and applications of common, as well as new and sustainable residential building materials. This class will cover materials and methods such as: current sustainable practices in home building, wood stud construction, window installation, roofing, foundations, flashing, etc. These materials and construction methods will then be applied in the Studio I projects. *this course is cross listed with ARCT1020.

B. Course Effective Dates: 1/28/20 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Define key terms of large timber frame construction and be able to demonstrate how this type of construction is built.
2. Define key terms of light weight construction and be able demonstrate how this type of construction is built.
3. Define key terms for stone and brick framing and demonstrate the connection between them and the structural members of a building.
4. Understand how concrete is created and how it is used in both residential and commercial construction

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted