TADD 3200: Introduction to Model Making

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course exposes students interested in technology, art, and design to learn more about model making. Prior model making experience is helpful, but not required. The course provides a basic introduction to methods of constructing with sheet materials, shaping soft materials to achieve complicated forms, and achieving realistic textures. Students are guided through demonstrations each day. Introduction to Model Making leverages a variety of hand tools and fabrication techniques. Emphasis is on shop safety, hand skills, accuracy, professionalism, and working within specified tolerances to build three-dimensional models.

B. COURSE EFFECTIVE DATES: 08/20/2022 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Materials, adhesives and cohesive bonding
2. Construction techniques and tool usage
3. Creation of projects
4. Significance of material choices for projects
5. Industry information
6. Group interaction
7. Safety

D. LEARNING OUTCOMES (General)

1. identify common power tools used in the Model Making Industry.
2. create models in various shapes/sizes.
3. explain acceptable model construction.
4. apply material usage for specific model building applications.
5. develop a directory of industry contacts.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted