A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: *.*  
Lab Hours/Week: *.*  
OJT Hours/Week: *.*  
Prerequisites: None  
Corequisites: None  
MnTC Goals: None  

An introductory course in production specifications and contract documentation usage. The course includes the study of materials, methods and labor functions as they relate to use of specifications, documentation and drawings in construction related industries. Prerequisite: TADT 2252 or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/22/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Columns, Piers, & Girders: Foot Framing, Laying Out Walls  
2. Commercial Construction  
3. Design, Views, Scales, Lines & Symbols  
4. Electrical  
5. Finish Site Work  
6. Fireplaces & Stairs  
7. Foundation Walls, Drainage, Insulation & Slabs  
8. Framing Openings in Walls, Roof Construction Terms  
9. Insulation & Room Finishes & Cabinets  
10. Orienting the Drawings, Party Walls  
11. Plan Views: Elevations, Sections, & Details  
12. Plumbing, Heating & Air Conditioning  
13. Roof Trusses, Common Rafters, Hip & Valley Framing, Cornices  
14. Site Preparation & Locating the Building  
15. Site Utilities & Footing  
16. Structural & Mechanical Drawings  
17. Windows & Doors, Exterior Wall Covering, & Decks
D. LEARNING OUTCOMES (General)

1. be able to locate, research and form a project-related opinion on new materials, processes and documentation.
2. read, interpret, and understand production and construction drawings.
3. develop knowledge of documentation and materials as they fit-into and relate to projects.
4. understand the legal parameters of documentation in the manufacturing and construction industries.
5. understand manufacturing & engineering technology as it relates to documentation.
6. discuss a variety of social, cultural and environmental issues relating to the manufacturing and construction industries.
7. understand the role of the engineer, draft-person/designer or architect as it relates to documentation.
8. become familiar with manufacturing and 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