

# Bemidji State University

## TADT 3250: Print Reading and Project Documentation

### 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