

# Bemidji State University

## **TADT 3857: Methods of Teaching Industrial Technology/Vocational Education**

### **A. COURSE DESCRIPTION**

Credits: 4

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Approaches and delivery strategies for teaching technology education. Instructional technologies, records management, lesson planning and classroom practice. Prerequisites: Junior status or consent of instructor.

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

### **C. OUTLINE OF MAJOR CONTENT AREAS**

1. Brain-Based Teaching & Learning
2. Learning Styles
3. Lesson Planning
4. Teaching Strategies: Lecture, Demonstration, Technology, Hands-On, & Safety
5. Teaching Styles
6. Testing as a Teaching Strategy
7. Writing a Syllabus

#### **D. LEARNING OUTCOMES (General)**

1. understand the need for and how to connect students' schooling experiences with everyday life, the workplace, and further educational opportunities.
2. apply the standards of effective practice in teaching students through a variety of early and ongoing clinical experiences with middle level and high school students within a range of educational programming models.
3. understand the role and alignment of district, school, and department mission and goals in program planning.
4. know graphic and electronic forms of communication
5. understand the impact of reading ability on students' achievement in technology, recognize the varying reading comprehension and fluency levels represented by students, and possess the strategies to assist students to read technology content materials more effectively.
6. develop curriculum goals and purposes based on the central concepts of technology and know how to apply instructional strategies and materials for achieving student understanding of technology.
7. understand the role and purpose of co-curricular and extra-curricular activities in the teaching and learning process.
8. know historical, sociological, ethical, environmental, and economic impacts of technology.
9. know how to involve representatives of business, industry, and community organizations as active partners in creating educational opportunities.
10. know the technological method including defining the problem, researching, identifying possible solutions, analysis, implementation, and evaluation and how to apply it.
11. learn how to use tools, equipment, materials, and processes in technology education learning environments safely.
12. understand and apply educational principles relevant to the physical, social, emotional, moral, and cognitive development of preadolescents and adolescents
13. understand and apply the research base for and the best practices of middle and high school education.

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

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted