

# Bemidji State University

## TADT 2211: Introduction to Cost Management

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 0

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is an overview of the application of cost management in Technology, Operations, and Project Management fields. The emphasis of this course is on project operations budgeting and costs control. The process of financial decision making will be discussed in this course. Topics include project costing methodologies, value and non-value added cost analysis, breakdown structure cost analysis, service industry costing, and project cost evaluation.

**B. COURSE EFFECTIVE DATES:** 01/07/2021 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Product costing methodologies
2. Cost-volume-profit (CVP) analysis
3. Operational and capital budgeting, job & process costing
4. Performance evaluation

### D. LEARNING OUTCOMES (General)

1. apply the financial decision-making process to a real-world example of their life.
2. make decisions related to making a product or providing a service using strategies such as: value/non-value added cost and make in-house vs. buy (e.g. outsource).
3. manage and analyze costs in a global supply chain considering tariffs, freight, insurance fees, and economic order quantity (EOQ).
4. develop profit & lost statement for a project.
5. predict the costs of a project over its life cycle using cost breakdown structure analysis and considering future trends, uncertainties, inflation, and closeout/startup costs.
6. evaluate the economic feasibility of a project using  $\Delta$ order of magnitude $\Delta$  estimates: rough, budget, and definitive.
7. control the costs of a project by analyzing cost changes, cost variance (actual cost versus budget), performance index (cost & schedule), and earned values.
8. use MS Excel spreadsheets or other software programs to prepare various performance reports for project management planning, controlling, and decision-making.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted