

# Minnesota State College Southeast

## ACCT 2228: Advanced Spreadsheets

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

This course requires both of these prerequisites

ACCT 2220 - Cost Accounting I

ACCT 1218 - Spreadsheets Concepts and Applications

Corequisites: None

MnTC Goals: None

This course is a study of the use of Microsoft Excel to solve advanced accounting application problems. It is a largely hands on course utilizing pre-programmed Excel problems that have effectively designed templates. In working with these templates and a wide variety of accounting information the course develops sound design principles for all spread sheet work. These principles are then applied in advanced accounting applications and model building problems are developed from blank spread sheets.

(Prerequisites: ACCT1218 Spreadsheet Concepts and Applications, AND ACCT2220 Cost Accounting I)  
(3 Credits: 3 lecture/0 lab)

**B. COURSE EFFECTIVE DATES:** 10/06/1998 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Using spreadsheets for budgeting, financial planning, investment analysis, what-if analysis
2. Designing effective re-usable templates for data analysis and data presentation
3. Excel Formula structure, using math and statistical functions, global settings , charting and graphing

### D. LEARNING OUTCOMES (General)

1. Explain and demonstrate the power of Excel spreadsheets to take raw accounting data and convert it into usable information that managers can utilize for decision making. The power of what-if analysis is built in to the pre-programmed problems that students will work through in learning how do design effective spreadsheets.
2. Define and illustrate how to build budgets using and Excel workbook with linked sheets embedded in the workbook. Use present value and future value analysis to evaluate investment options and support effective decision making. Data analysis tools are used through an Excel Add In feature. These tools can be used in many areas of accounting.
3. Model Building problems develop the student's ability to design and create their own templates and apply the principles of building effective spreadsheets. Specific problem applications include but are not limited to: depreciation schedules, inventory control, tax planning, and consolidations. There are two case problems used at the end of the semester to summarize all of the individual concepts in the course.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted