

Dakota County Technical College

ACCT 1106: Accounting Mathematics

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course includes a review of the basics of arithmetic and algebra. The focus is on business and financial operations concepts with a strong emphasis on problem solving.

B. COURSE EFFECTIVE DATES: 04/01/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Perform arithmetic computations
2. Perform mixed operations
3. State order of operations
4. Distinguish between arithmetic and algebraic logic
5. Simplify algebraic expressions
6. Solve algebraic expressions
7. Make algebraic substitutions
8. Express verbal statements in symbolic form
9. Express ratios in equivalent forms
10. Solve proportion problems
11. Equate fractions, decimals, and percents
12. Identify simple base, rate, and percentage problems
13. Solve percent word problems
14. Apply trade discounts
15. Determine chain trade discounts
16. Apply cash discounts
17. Determine cash discount due dates
18. Solve cost pricing problems
19. Solve selling price pricing problems
20. Solve markdown pricing problems
21. Calculate ordinary interest
22. Calculate exact simple interest
23. Discount bank notes
24. Identify time, rate, and principle of interest problems
25. Determine annual percent rates
26. Solve credit related problems
27. Apply rule of 78
28. Solve single sum present value problems
29. Solve single sum future value problems
30. Solve annuity problems
31. Solve amortization problems
32. Solve sinking fund problems
33. Solve for interest rate of annuity
34. Develop electronic calculator operation skill
35. Solve business percentage calculation applications
36. Solve business interest calculation applications

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted