

ALTW 202: BASIC MATH FOR STUDENTS WITH LEARNING DIFFERENCES

Foothill College Course Outline of Record

Heading	Value
Units:	2
Hours:	2 lecture per week (24 total per quarter)
Degree & Credit Status:	Non-Degree-Applicable Credit Course Basic Skills
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Student Learning Outcomes

- The student will be able to understand and apply basic math functions to be used in daily independent living.
- The student will conduct daily expenditures in order to understand the purpose of budgeting.
- The student will be able to count money and make change properly in electronic and manual environments.
- Student will devise a personal budget given personal living situation.

Description

Emphasis on functional math concepts that include skill building for money handling exchanges, budget planning for independent living, comparison shopping strategies and other related practical math applications.

Course Objectives

The student will be able to:

- Demonstrate mastery of basic math functions and money handling
- Explain bank and credit union services
- Utilize banking and credit union services
- Demonstrate ability to use a calculator for understanding basic math functions and problem solving relating to independent living skills
- Explain budgeting and how to create a budget
- Demonstrate understanding of credit cards and credit card billing
- Distinguish the difference between credit cards, debit cards and check transactions
- Explain and conduct comparison shopping

Course Content

- Math functions and money handling
 - Review of basic math functions
 - Addition of numbers
 - Subtraction of numbers
 - Multiplication of numbers
 - Division of numbers
 - Percentages

- Use of calculator
- Banking and Credit Unions and what it means to utilize services
 - How to open account
 - Opening a checking account, savings account, retirement account
 - Making deposits and withdrawals
 - How to write a check and how to use debit services
 - Understanding interest rate charges
 - Reading a bank statement
 - Online services
- Budget planning
 - Understanding budgeting and how to create a budget for a variety of environments
 - Basic budget questions
 - Who needs to plan?
 - What is amount of money for particular budget?
 - Evaluate budget and re-valuate and adjust accordingly
 - Credit card usage
 - Understanding interest rate and finance charges
 - Understanding statements (hard copy and online)
 - Understanding credit scores
 - Comparison shopping strategies
 - How to read ads (per unit, %, quantities)
 - Online research on variety of consumer products
 - Understanding online catalog shopping, retail ads (hard copy)

Lab Content

Not applicable.

Special Facilities and/or Equipment

Accessible classroom.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

- Class participation
- Assignments and projects
- Quizzes and/or examinations

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

- Lecture
- Discussion
- Cooperative learning exercises
- Oral presentations
- Demonstration
- Field trips

Representative Text(s) and Other Materials

Farley, Dan, and Cindy Donaldson. Workplace Skills: Applied Mathematics, Student Handbook (Workforce). 1st ed. McGraw-Hill Education, 2010. ISBN-13 9780076574810

Note: The Transition to Work Program is for students with disabilities who are not able to take regular college classes. The books used for this class present basic math concepts in a very simple way. The content in

the books is not subject to updating, it is just presented in a way that the students can utilize successfully.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

A. Writing Assignment:

1. Reflection essay on field trip to a Bank or Credit Union.

B. Assignment - Using Credit Cards:

1. Find the account balance from the last statement.

2. Total new purchases listed on the current statement.

3. What is the finance charge on the current statement?

4. Creation of comparison shopping on consumer product.

Discipline(s)

Developmental Disabilities: Disabled Students Programs and Services