

CATALOG INFORMATION

Dept and Nbr: ADLTED 521    Title: AC SKLS/GED PREP 1/MATH  
Full Title: Basic Academic Skills and GED Preparation - Math 1  
Last Reviewed: 12/12/2016

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	6	Lecture Scheduled	0
Minimum	0	Lab Scheduled	3.00	3	Lab Scheduled	18.00
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	18.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 18.00

Title 5 Category: Non-Credit  
Grading: Non-Credit Course  
Repeatability: 27 - Exempt From Repeat Provisions  
Also Listed As:  
Formerly: CSKLS 521

**Catalog Description:**  
Instruction and individualized learning plans are provided for preparation for the mathematics sections of the GED (General Educational Development) and other HSE (High School Equivalency) tests. First level course covers math computation for whole numbers and decimals. Includes computer skills as necessary for online practice and test-taking. Course also provides math skills development in preparation for credit Math Pathway classes; CTE (Career Technical Education) classes; and Basic Academic Skills Certificate of Completion.

**Prerequisites/Corequisites:**

**Recommended Preparation:**

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Instruction and individualized learning plans are provided for preparation for the mathematics sections of the GED (General Educational Development) and other HSE (High School Equivalency) tests. First level course covers math computation for whole numbers and

decimals. Includes computer skills as necessary for online practice and test-taking. Course also provides math skills development in preparation for credit Math Pathway classes; CTE (Career Technical Education) classes; and Basic Academic Skills Certificate of Completion. (Non-Credit Course)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Solve arithmetic computation and word problems involving whole numbers and decimals
2. Interpret basic visual representations of data involving whole numbers and decimals
3. Perform mathematical problem solving in a variety of formats

### **Objectives:**

Upon completion of this course, students will be able to:

1. Add, subtract, multiply, and divide whole numbers and decimals
2. Comprehend word problems and apply strategies for setting up mathematical expressions to solve them
3. Identify information presented in basic graphs

### **Topics and Scope:**

Content, topics, and scope may vary, depending on student skill level determined through initial assessment.

1. Arithmetic Operations and Concepts
  - a. Addition, subtraction, multiplication, and division of whole numbers
  - b. Place value, including decimals
  - c. Rounding and estimating
  - d. Addition, subtraction, multiplication, and division of decimals
2. Word Problem Strategies

- a. Interpretation and set-up
- b. Applications to money and workplace-related situations
3. Basic graphs (circle, pie, bar)
4. (Optional based on availability) Computer Use
  - a. Navigation among assigned software programs
  - b. GED and other HSE test websites

### Assignment:

1. Computation and word problem exercises in texts, worksheets, and/or educational software
2. Participation in class activities and group work applying problem-solving strategies
3. Exercises in computer use (optional)
4. Quizzes (2-4)
5. Excerpts from GED/HSE practice tests (1-4)
6. Final assessment

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Computation and word problem exercises

Problem solving  
50 - 60%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes, practice tests, and assessment: multiple choice, short answer

Exams  
25 - 40%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Class participation and group work

Other Category  
5 - 20%

### Representative Textbooks and Materials:

Breakthrough to Math. New Readers Press. 2016

Essential Math Skills. Goonen, Bonnie and Pittman-Shetler, Susan. Essential Education. 2013

Steck Vaughn Pre-GED Test Preparation:Mathematical Reasoning. HoughtonMifflinHarcourt.

2014

Instructor-prepared materials.