

CATALOG INFORMATION

Dept and Nbr: ADLTED 522 Title: AC SKLS/GED PREP 2/MATH
Full Title: Basic Academic Skills and GED Preparation - Math 2
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	2	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 522

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. Second level course covers pre-algebra topics. Course also provides academic skills development in preparation for math; credit Math Pathway classes; CTE (Career Technical Education) classes; and Basic Academic Skills Certificate of Completion.

Prerequisites/Corequisites:

Recommended Preparation:
Course Completion of ADLTED 521 (or CSKLS 521)

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. Second level course covers pre-algebra topics. Course also provides academic skills development in preparation for math; credit Math Pathway classes; CTE (Career

Technical Education) classes; and Basic Academic Skills Certificate of Completion. (Non-Credit Course)

Prerequisites/Corequisites:

Recommended: Course Completion of ADLTED 521 (or CSKLS 521)

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:

IGETC:	Transfer Area	Effective:	Inactive:
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CSU Transfer:	Effective:	Inactive:
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UC Transfer:	Effective:	Inactive:
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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 pre-algebra math computation and word problems in testing, academic, and workplace situations
2. Interpret visual information presented in a variety of tables and graphs in order to solve word problems
3. Use appropriate technology for calculating, accessing math support and testing programs, and completing college related tasks, as required

Objectives:

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

1. Solve 1-2 step computation and word problems involving addition, subtraction, multiplication, and division of whole numbers, decimals, fractions, and percents
2. Apply place value concepts when rounding, estimating, and calculating whole numbers, decimals, and fractions
3. Calculate unit pricing, ratio, and proportion
4. Calculate mean, median, and mode
5. Apply order of operations to whole number, fraction, and decimal number sentences
6. Calculate conversions between fractions, decimals, and percents
7. Solve problems involving measurement (U.S. Customary and metric)
8. Interpret information presented in graphs and tables
9. Independently access and use educational software and math websites for learning support, as available
10. Use calculator as appropriate to solve problems

Topics and Scope:

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

1. Mathematics

- a. Basic operations (addition, subtraction, multiplication, division) of decimals and fractions
- b. Part-to-whole relationships: fractions, ratio, and proportions
- c. Place value, rounding, and estimation of whole numbers and decimals
- d. Problem-solving applications using whole numbers, fractions, decimals, and percents
- e. Conversions between decimals, fractions, and percents
- f. Order of operations
- g. The metric system and U.S. Customary units of measurement, and basic conversion of units within systems
- h. Interpreting information presented in graphs, tables and charts

2. Test-taking strategies and technological support

- a. Basic computer use, navigation, and learning support websites, as appropriate to the course
- b. Calculator use
- c. Word problem interpretation and setup strategies

Assignment:

1. Daily computation and word problem exercises in texts, worksheets, and/or computers
2. Participation in class activities and group work applying problem-solving strategies
3. (Optional) Assignments with learning support websites and software
4. Quizzes (2-4)
5. Excerpts from GED/HSE practice tests (1-4)
6. Ffinal 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: using multiple choice, short answer

Exams
25 - 40%

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

Class participation, group work, computer assignments

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 GED: Test Preparation, Student Edition: Mathematical Reasoning.

HoughtonMifflinHarcourt. 2014

Instructor-prepared materials.