CSKLS 401 Course Outline as of Fall 2023

CATALOG INFORMATION

Dept and Nbr: CSKLS 401 Title: MATH REVIEW A
Full Title: Math Review A
Last Reviewed: 12/12/2022

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	0	Lab Scheduled	2.75	2	Lab Scheduled	48.13
		Contact DHR	0		Contact DHR	0
		Contact Total	2.75		Contact Total	48.13
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00 Total Student Learning Hours: 48.13

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

Catalog Description:
This noncredit course is one of a set of courses designed to help students build a foundation in mathematics for future courses and the workplace. In this course, students will cover operations with whole numbers, integers, fractions, decimals, percentages, and probability. Students will develop critical thinking skills and problem-solving strategies for progress to future math courses.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: This noncredit course is one of a set of courses designed to help students build a foundation in mathematics for future courses and the workplace. In this course, students will cover operations with whole numbers, integers, fractions, decimals, percentages, and probability. Students will develop critical thinking skills and problem-solving strategies for progress to

future math courses. (Non-Credit Course)
Prerequisites/Corequisites:
Recommended:
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:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

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. Evaluate and/or interpret mathematical information, relationships, and/or concepts related to pre-algebra.
2. Apply the mathematical skills required in performing operations and/or problem-solving related to pre-algebra.
3. Communicate mathematical information symbolically, visually and/or numerically using appropriate terminology related to pre-algebra.

Objectives:
At the conclusion of this course, the student should be able to:
1. Perform computational skills in the addition, subtraction, multiplication, and division (i.e. the four operations) of signed numbers.
2. Apply and extend previous understandings of arithmetic to algebraic expressions.
3. Evaluate numerical expressions by applying the correct order of operations.
4. Apply problem-solving skills to college classes, the workplace, and daily life situations.

Topics and Scope:

I. Whole Numbers
   A. Operations
   B. Rounding and estimating
   C. Order of operations
   D. Word problems
II. Integers
   A. Definitions

B. Operations with integers
C. Word problems with integers
D. Order of operations

III. Fractions
A. Fraction terminology
B. Equivalent fractions; reducing and building fractions
C. Four operations with fractions and mixed numbers
D. Prime factors, prime factorization, multiples
E. Word problems with fractions

IV. Decimals
A. Place value and terminology of decimal fractions
B. Rounding decimals
C. Conversions between decimals and fractions
D. Comparing and ordering decimals
E. Four operations with decimals
F. Word problems, charts, graphs, and tables with decimals

V. Percentages
A. Conversions between decimals, fractions, and percentages
B. Setting up percent problems: finding whole, part, and percent
C. Word problems with percentages
D. Solving percent problems using proportion method

VI. Probability
A. Outcomes
B. Events
C. Odds

VII. Academic Learning Skills
A. Self-assessment and goal setting
B. Study techniques
C. Support services, including:
1. Tutorial center/learning center
2. Student consultation hours
3. Counseling

Assignment:

1. Lab activities/assignments (8-24)

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.

Lab activities/assignments	Problem solving 50 - 70%

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.

None	Exams 0 - 0%

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

Attendance and participation	Other Category 30 - 50%

Representative Textbooks and Materials:
Instructor-prepared materials.