CSKLS 363 Course Outline as of Summer 2019

CATALOG INFORMATION

Dept and Nbr: CSKLS 363   Title: PRE-ALGEBRA SKILLS
Full Title: Pre-Algebra Skills
Last Reviewed: 12/10/2018

Units			Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.50		Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	0.50		Lab Scheduled	1.50	1	Lab Scheduled	26.25
			Contact DHR	0		Contact DHR	0
			Contact Total	1.50		Contact Total	26.25
			Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00   Total Student Learning Hours: 26.25

Title 5 Category: AA Degree Non-Applicable
Grading: P/NP Only
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly: CSKL 300.4

Catalog Description:
This pre-algebra course is designed to prepare students for success in future courses and the workplace. Skill areas to be covered include: addition, subtraction, multiplication, and division of signed numbers, exponents, simplifying and evaluating algebraic expressions, and solving basic algebraic equations. Equation solving skills will be applied to word problems. All work will be completed in a lab setting.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: This pre-algebra course is designed to prepare students for success in future courses and the workplace. Skill areas to be covered include: addition, subtraction, multiplication, and division of signed numbers, exponents, simplifying and evaluating algebraic expressions, and solving basic algebraic equations. Equation solving skills will be applied to word problems. All

work will be completed in a lab setting. (P/NP Only)
Prerequisites/Corequisites:
Recommended:
Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

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:
Not Certificate/Major Applicable

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:
Upon completion of this course, students will be able to:
1. Develop computational skills in the addition, subtraction, multiplication, and division of sign numbers.
2. Apply and extend previous understandings of arithmetic to algebraic expressions.
3. Evaluate numerical expressions by applying the correct order of operations.
4. Interpret word problems involving one variable and set up linear equations to solve them.
5. Apply problem-solving skills to college classes, the workplace, and daily life situations.

Topics and Scope:

I. Signed Numbers
    A. Definitions
    B. Addition, subtraction, multiplication, and division
    C. Order of operations
II. Exponent Rules
III. Algebraic Expressions/Polynomials
    A. Identify parts of an expression

B. Simplify algebraic expressions
C. Evaluate algebraic expressions
IV. Linear Equations
   A. Write equations
   B. Solve equations
V. Mathematical Modeling and Applications

Assignment:

1. Lab assignments (15 - 20)

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 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