

Course Outline

COURSE: GUID 564 **DIVISION:** 30 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2010 **Inactive Course**

SHORT TITLE: DIR STDY LAB PREALG

LONG TITLE: Directed Study Lab in Pre-Algebra

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1	18	Lecture:	0	0
		Lab:	3	54
		Other:	0	0
		Total:	3	54

COURSE DESCRIPTION:

This course is designed for students who are eligible to receive Learning Disability Services and/or who have demonstrated difficulty in mastering pre-algebra. The course content parallels Mathematics 402. The material is presented in a concrete, multi-sensory manner, and the lab environment allows opportunity for immediate practice questions, repetition and review. Units earned do not count towards the associate degree and/or certificate requirements. This is a pass/no pass course. **COREQUISITE:** Concurrent enrollment in MATH 402. **ADVISORY:** Completion of Guidance 557 and/or a demonstrated deficit in Mathematics. Recommended for students with verified learning disability.

PREREQUISITES:

COREQUISITES:

MATH 402

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES

P - Pass/No Pass

REPEATABILITY: R - Course may be repeated

Maximum of 99 times, 100 credit hours

SCHEDULE TYPES:

04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

1. Students will be able to perform basic mathematical operations on integers using the Order of Operations.

ILO: 2,1,6

Measure: In class skill demonstration

2. Students will be able to solve linear equations.

ILO: 2,1,6

Measure: In class skill demonstration

3. Students will be able to translate word statements to algebraic equations and solve application problems.

ILO: 2,1,6

Measure: In class skill demonstration

4. Students will be able to recognize and analyze their errors and the impact, if any, of their learning disabilities on their algebra performance.

ILO: 2,1,6

Measure: Oral Report

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Inactive Course: 11/23/2009

Course was combined with GUID 562.

3 Hours

Exponents, order of operations, and introduction to variables and algebraic expressions. Students will apply order of operations correctly. Students will demonstrate knowledge of algebraic expressions.

6 Hours

Introduction to integers. Operations on integers. Students will practice working with positive and negative numbers.

9 Hours

Simplifying algebraic expressions, solving linear equations in one variable, translating word expressions, and application problem solving. Students will analyze and solve word problems involving practical every day applications for business and consumer use.

10 Hours

Operations on fractions and mixed numbers. Solving equations with fractions. Students will practice basic operations on fractions.

9 Hours

Operations on decimals. Solving equations with decimals. Estimating. Conversions of fractions and decimals. Students will apply knowledge of basic operations on decimals.

9 Hours

Percents, solving percent problems, and applications of percent to sales tax, discounts, commissions, and interest. Students will demonstrate ability to solve percent problems relating to business and commercial activities.

3 Hours

Ratios and rates. Students will practice working with ratios, rates and proportions.

3 Hours

Area and volume and review. Students will demonstrate knowledge of units of measurement. Students will review for chapter tests at the end of each chapter.

2 Hours

Final Exam.

METHODS OF INSTRUCTION:

Lecture, problem demonstrations, questions and answers, discussion, group problem solving, and practice tests.

METHODS OF EVALUATION:

The types of writing assignments required:

None

The problem-solving assignments required:

Other: In class problem solving.

The types of skill demonstrations required:

None

The types of objective examinations used in the course:

None

Other category:

Participation in class discussions and question and answer sessions and completion of practice tests.

The basis for assigning students grades in the course:

Writing assignments: 0% - 0%

Problem-solving demonstrations: 49% - 51%

Skill demonstrations: 0% - 0%

Objective examinations: 0% - 0%

Other methods of evaluation: 49% - 51%

REPRESENTATIVE TEXTBOOKS:

Martin-Gay, Prealgebra, 5th Edition, Pearson-Prentice Hall, 2008, or other appropriate college level text.

Reading level of text: Math Dept. Text

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: B

Classification: B

Noncredit Category: Y

Cooperative Education:

Program Status: 2 Stand-alone

Special Class Status: S

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:
Prior to College Level: C
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: E
Maximum Hours:
Minimum Hours:
Course Control Number: CCC000197926
Sports/Physical Education Course: N
Taxonomy of Program: 170200