

Course Outline

COURSE: MATH 412 **DIVISION:** 10 **ALSO LISTED AS:**

TERM EFFECTIVE: Summer 2016 **CURRICULUM APPROVAL DATE:** 02/22/2016

SHORT TITLE: MATH REFRESHER

LONG TITLE: Math Refresher

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
.5	18	Lecture:	.5	9
		Lab:	0	0
		Other:	0	0
		Total:	.5	9

COURSE DESCRIPTION:

A remedial intensive math course designed to be a refresher for students who wish to review basic math concepts before taking the Assessment Placement test or to prepare prior to retaking the Assessment test. The primary focus is on operations with whole numbers, fractions, decimals and percentages. This is a pass/no pass course. Units earned in this class do not count toward the associate degree and/or certain certificate requirements.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES

P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion

STUDENT LEARNING OUTCOMES:

1. Perform basic operations with whole numbers, fractions, decimals, and signed numbers without the use of a calculator

Measure:

2. Utilize math specific study skills and test taking strategies

Measure:

3. Solve basic percentage problems using proportions and equations

Measure:

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

Curriculum Approval Date: 02/22/2016

1 Hours

Content: operations with whole numbers

Student Performance Objectives (SPO): The student will be able to add, subtract, divide, and multiply whole numbers w/o using the calculator.

Out-of-Class Assignments: HW handout - order of operations on whole numbers

2 hours Content: Operations with Fractions

Student Performance Objectives (SPO): Student will demonstrate the ability to complete basic operations with fractions

Out-of-Class Assignments: HW assignment - operations on fractions + order of operations

2 Hours

Content: Signed numbers.

Student Performance Objectives (SPO): Student will be able to complete basic operations with positive and negative numbers

Out-of-Class Assignments: Handout - operations on real numbers

1 Hours

Content: Operations with decimals.

Student Performance Objectives (SPO): student will be able to complete basic operations with decimals

Out-of-Class Assignments: Handout - order of operations with decimals

2 Hours

Content: Percents

Student Performance Objectives (SPO): Student will be able to convert percent to decimal and fraction and vice versa + solve basic application problems involving percents

Out-of-Class Assignments: HW assignment - conversion with percents, decimals and fractions

1 hour Content: Final Test

METHODS OF INSTRUCTION:

Lectures, group work

METHODS OF EVALUATION:

Category 1 - The types of writing assignments required:

Percent range of total grade: 0 % to %

Category 2 - The problem-solving assignments required:

Percent range of total grade: 0 % to %

Category 3 - The types of skill demonstrations required:

Percent range of total grade: 90 % to 100

1 Class Performance/s
Performance Exams

Category 4 - The types of objective examinations used in the course:

Percent range of total grade: 0 % to 10 %

Multiple Choice

True/False

Completion

REPRESENTATIVE TEXTBOOKS:

Recommended:

Alan Tussy. Developmental Mathematics for College Students. Brooks Cole, 2013. Or other appropriate college level text.

Reading level of text, Grade: 12th Verified by: Ken Wagman

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: B

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 2 Stand-alone

Special Class Status: N

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: .5

Minimum Hours: .5

Course Control Number:

Sports/Physical Education Course: N

Taxonomy of Program: 170100

