

**Course Outline**

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

TERM EFFECTIVE: Spring 2019                      CURRICULUM APPROVAL DATE: 05/14/2018

SHORT TITLE: Math Refresher Part 1

LONG TITLE: Math Refresher Part 1

Units	Number of Weeks		Contact Hours/Week		Total Contact Hours
.5	9	Lecture:	1	Lecture:	9
		Lab:	0	Lab:	0
		Other:	0	Other:	0
		Total:	1	Total:	9

**COURSE DESCRIPTION:**

An intensive math course designed to be a refresher for students who wish to review fundamental math concepts to get the support in the current class. The primary focus is on operations with whole numbers, fractions, decimals and percentages. This is a pass/no course. Units earned in this class do not count towards an Associate's Degree or certain certificate requirements.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree 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 calculators.
2. Utilize math specific study skills and test taking strategies.

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

Curriculum Approval Date: 05/14/2018

Hours: 1

Operations with whole numbers

Performance Objectives: Students will be able to add, subtract, divide, and multiply whole numbers without using a calculator.

Hours: 1

Operations with signed numbers

Performance Objectives: Students will be able to add, subtract, divide, and multiply signed numbers.

Hours: 3

Operations with fractions

Performance Objectives: Students will be able to perform operations with fractions.

Hours: 2

Operations with decimals

Performance Objectives: Students will be able to perform operations with decimals.

Hours: 1

Order of operations

Performance Objectives: Students will be able to perform operations in the correct order.

Hours: 1

**METHODS OF INSTRUCTION:**

Lecture, Group work, Discussion.

**OUT OF CLASS ASSIGNMENTS:**

Required Outside Hours: 18

Assignment Description:

1. Analyze and study pertinent text material, solved examples and lecture notes.
2. Apply principles and skills covered in class by solving regularly-assigned homework problems.
3. Regularly synthesize course materials in preparation for exams.
4. Projects to apply concepts learned in class.

**METHODS OF EVALUATION:**

Objective examinations

Percent of total grade: 100.00 %

In-class written exams.

**REPRESENTATIVE TEXTBOOKS:**

Required Representative Textbooks

Alan Tussy, R. Gustafson. Developmental Mathematics for College Students. Brooks Cole,2014.

ISBN: ISBN-10: 1111988269 ISBN-13: 9781111988265

Reading Level of Text, Grade: 12 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: N

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: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: E

Maximum Hours: 9

Minimum Hours: 9

Course Control Number:

Sports/Physical Education Course: N

Taxonomy of Program: 170100