

Course Outline

COURSE: MATH 404D **DIVISION:** 10 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2013 **Inactive Course**

SHORT TITLE: SLF-PACED BASIC MTH

LONG TITLE: Self-Paced Basic Math

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1	18	Lecture:	1	18
		Lab:	.3	5.4
		Other:	0	0
		Total:	1.3	23.4

COURSE DESCRIPTION:

This course is a remedial modular, self-paced course. Applications and critical thinking skills are developed in each module. Module A covers operations with whole numbers, equivalent fractions, multiplying and dividing fractions. Module B covers adding and subtracting fractions, and operations with decimals. Module C covers ratio and proportion, percent and units of measurement. Module D reviews fractions, decimals, percentages, and covers operations with integers, and working with variables. Module E covers real numbers, fractions, exponents, scientific notation, and order of operations. Module F covers expressions, polynomials, and equations. Module G covers geometric figures, perimeter and area, surface area and volume, triangles and parallelograms, and similar figures. This course has the option of a letter grade or pass/no pass. This course involves both lecture and hands-on computer assisted software. All sections are open for late registration. Math 404 D-F is the equivalent of Math 402.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES

- L - Standard Letter Grade
- P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

- 02 - Lecture and/or discussion
- 03 - Lecture/Laboratory

STUDENT LEARNING OUTCOMES:

1. Demonstrate problem-solving ability in a wide range of topics: equations and their applications, algebra and expressions of integers..

ILO: 1,3,6,7,

Measure: Homework, Computer Quiz, and Exam.

2. Be able to perform all the operations with positive and negative numbers.

ILO: 1,2,7

Measure: Homework, Computer Quiz, and Exam.

3. Set up and solve word problems using negative numbers.

ILO: 2,3,7

Measure: Homework, Computer Quiz, and Exam.

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

Inactive Course: 02/25/2013

5 Hours

Review of fractions, decimals, percentages

Homework problems from text and instructor, individual discussions with instructor.

5 Hours

Signed Numbers: ordering, absolute value, adding, applications.

Homework problems from text and instructor, individual discussions with instructor.

5 Hours

Signed Numbers: subtracting, solving simple equations, applications

Homework problems from text and instructor, individual discussions with instructor.

10 Hours

Signed Numbers: multiplying and dividing, solving simple equations, applications.

Order of operations, properties of real numbers.

Homework problems from text and instructor.

5 Hours

Signed Numbers: combining similar terms, applications

Homework problems from text and instructor , individual discussions with instructor.

2 Hours

Paper Exam (cumulative)

Comprehensive over the entire course with evaluation of each of the areas previously encountered.

See Content.

METHODS OF INSTRUCTION:

Self-Paced Mediated Learning: Computer Assisted Instruction with individual student-instructor interaction, group work, discussions as appropriate.

METHODS OF EVALUATION:

The types of writing assignments required:

None

The problem-solving assignments required:

Homework problems

Quizzes

Exams

The types of skill demonstrations required:

None

The types of objective examinations used in the course:

Matching items

Completion

Other category:

None

The basis for assigning students grades in the course:

Writing assignments: 0% - 0%

Problem-solving demonstrations: 70% - 90%

Skill demonstrations: 0% - 0%

Objective examinations: 10% - 30%

Other methods of evaluation: 0% - 0%

REPRESENTATIVE TEXTBOOKS:

"Interactive Mathematics - Prealgebra", Plato Learning - Academic Systems, 2004, or other appropriate college level text.

Reading level of text: 10th grade.

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: 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:
Minimum Hours:
Course Control Number: CCC000081380
Sports/Physical Education Course: N
Taxonomy of Program: 170100