

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information**Department:** Skills Development**Submitter**

First Name: Lisa

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Phone: 3401

Email: lisan

Course Prefix and Number: ASE - 010

Credits: .5**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 60

Lab (# of hours):

Total course hours: 60

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Basic Math**Course Description:**

Math concepts: addition, subtraction, multiplication, and division of whole numbers; fractions and decimals; percentage; measurement; graphs; ratio and proportion; and basic principles of algebra and geometry. Course is geared to those students who need a slower paced approach. Elective credit only for high school diploma requirement. May be repeated for up to 1.5 high school credits.

Type of Course: Developmental Education

Can this course be repeated for credit in a degree?

Yes**Up to how many credits can this course be repeated to satisfy a degree requirement?** 1.5

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations: None

Requirements: Instructor consent

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

Pass/No Pass Only

Audit: Yes

When do you plan to offer this course?

- ✓ **Summer**
- ✓ **Fall**
- ✓ **Winter**
- ✓ **Spring**

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. use, at a basic level, the four operations with whole numbers, fractions, and decimals to solve problems;
2. generalize place value understanding for multi-digit whole numbers,
3. write and interpret numerical expressions,
4. graph ordered pairs on the coordinate plane,
5. understand ratio concepts and use ratio reasoning to solve problems,
6. demonstrate basic operational skills with percentages, measurement, graphs, and geometry;
7. apply a variety of mathematical approaches to real-life problems.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Whole Numbers.
 - a. Addition.
 - b. Subtraction.
 - c. Multiplication.
 - d. Division.
2. Fractions.
 - a. Addition.
 - b. Subtraction.
 - c. Multiplication.
 - d. Division.
3. Decimals.
 - a. Addition.
 - b. Subtraction.
 - c. Multiplication.
 - d. Division.
4. Percentage.
5. Measurement.
6. Graphs.
7. Ratio and Proportion.
8. Basic Principles of Algebra.
9. Basic Principles of Geometry.
10. Apply to real world problems.

Does the content of this class relate to job skills in any of the following areas:

- | | |
|--------------------------------------|-----------|
| 1. Increased energy efficiency | No |
| 2. Produce renewable energy | No |
| 3. Prevent environmental degradation | No |
| 4. Clean up natural environment | No |
| 5. Supports green services | No |

Percent of course: 0%

First term to be offered:

Next available term after approval

:
