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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Course Prefix and Number: ASE - 011

 # 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: Applied Math I

Course Description:

Presents the use of the numbers and operations of arithmetic; basic algebra and geometry are integrate throughout the course. The use of technology is integrated throughout the course. A scientific calculator is required for the course. .5 high school credit.

Type of Course: Developmental Education

Can this course be repeated for credit in a degree?

No

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:

A-F or Pass/No Pass

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. analyze proportional relationships and use them to solve real-world problems in geometry, unit conversions, data analysis, and algebra;
2. apply and extend previous understandings of operations with fractions, decimals, and percentages;
3. solve real-life problems by describing patterns with variables, and translating and evaluating words to algebraic expressions;

4. apply measures of central tendency and standard deviation to interpret real world problems;
5. calculate probability, and solving simple equations;
6. utilize numbers that are not rational by approximating them using rational numbers.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Problem solving using fractions, decimals and percentages.
2. Proportional relationships in problem solving.
3. Geometry.
4. Data analysis.
5. Rational and irrational numbers.
6. Problem solving strategies.

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
: