

Clackamas Community College
Online Course/Outline Submission System

Section #1 General Course Information**Department:**Mathematics**Submitter**

First Name: Ellis

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Course Prefix and Number:MTH - 020C**# Credits:**1**Contact hours**

Lecture (# of hours): 11

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 11

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:Area, Angles, and Triangles**Course Description:**

This course presents concepts of and functions relating to area, angles, and triangles including application of formulas for solving problems, scale conversions, and scale drawings.

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?

No

Will this class use library resources?

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?

✓ Not every term

Will this course appear in the college catalog?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

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

1. solve applications involving surface area of geometric shapes,
2. identify geometric shapes in composite figures,
3. apply area formula to appropriate problems,
4. identify types of angles,
5. measure angles,
6. apply knowledge of angles to answer applications,
7. identify congruent figures,
8. identify similar triangles,
9. utilize characteristics of similar triangles and congruent figures to solve applications,
10. convert scale drawings,
11. use a standard calculator to check work.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Applications involving surface area of geometric shapes.
2. Surface area of circles and composite figures.
3. Angles.
4. Vertical angles, transversals, and lines.
5. Angles in triangles and quadrilaterals.
6. Congruent figures.
7. Similar triangles.
8. Scale conversions.
9. Scale drawings.

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

:
