

**Clackamas Community College**  
Online Course/Outline Submission System

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**Section #1 General Course Information**

**Department:**Mathematics

**Submitter**

First Name: Ellis

Last Name: Meuser

Phone: 3400

Email: ellis

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**Course Prefix and Number:**MTH - 020B

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**# 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.

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**Course Title:**Percents, Powers, and Geometry

**Course Description:**

This course is designed to provide students with the skills and practice necessary to solve multiple step percent applications, interpret visual percent data, understand roots and powers, order of operation, perimeter, and circumference. Instruct students how to use a calculator to check work.

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**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 should be able to:

1. solve applications involving percent of increase or decrease,
2. solve for the whole when given a percent,
3. interpret percent data from charts and graphs,
4. determine part, percent, and whole values from graphs;
5. roots and powers,
6. order of operations,
7. perimeter,
8. circumference,
9. use a standard calculator to check work.

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***This course does not include assessable General Education outcomes.***

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**Major Topic Outline:**

1. Review fractions, decimals, and percent values.
2. Review converting fractions, decimals and percents.
3. Applications involving percent of increase or decrease.
4. Find for the whole when given a percent.
5. Percent data from charts and graphs.
6. Part, percent, and whole values from graphs.
7. Roots and powers.
8. Order of operations.
9. Perimeter and polygons.
10. Circumference and pi.
11. Use a standard calculator to check work.

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

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

Percent of course:0%

**First term to be offered:****Next available term after approval**

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