

# Clackamas Community College

## Online Course/Outline Submission System

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### Section #1 General Course Information

**Department:** Skills Development

**Submitter**

First Name: Lisa  
Last Name: Nielson  
Phone: 3401  
Email: lisan

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**Course Prefix and Number:** ASE - 071B

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**# 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.

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**Course Title:** Algebra 1B

**Course Description:**

Algebra 1B reinforces concepts presented in Algebra 1A and introduces quadratic equations, parabolas, functions, and statistics related to data distributions. .5 high school credit.

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**Type of Course:** Lower Division Collegiate

**Reason for the new course:**

The credit and content requirements for high school courses have changed as Oregon transitioned to the Common Core State Standards. This new class, in combination with Algebra 1A fulfills these requirements.

**Is this class challengeable?**

**No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

Does this course map to any general education outcome(s)?

**No**

Is this course part of an AAS or related certificate of completion?

**No**

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** ASE-071A or equivalent

**Have you consulted with the appropriate chair if the pre-req is in another program?**

**No**

Are there corequisites to this course?

**No**

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

**No**

Are there similar courses existing in other programs or disciplines at CCC?

**No**

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: No**

When do you plan to offer this course?

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

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

**No**

Will this course appear in the college catalog?

**Yes**

Will this course appear in the schedule?

**No**

Student Learning Outcomes:

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

1. classify, factor, and perform operations on polynomials;
2. utilize multiple strategies to solve quadratic equations and inequalities,
3. identify features of a parabola,
4. graph and interpret graphs for different types of functions,
5. utilize the properties of logarithmic functions to solve them,
6. use different types of graphs and tables to express real world data,
7. distinguish between causation and correlation using data sets.

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

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Major Topic Outline:

1. Polynomials.
2. Quadratic equations and inequalities.
3. Visual representations of polynomials, quadratics, parabolas, and data.
4. Interpret data and visual representations.
5. Analyze data and visual representations.

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          | <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%

## Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

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First term to be offered:

**Next available term after approval**

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