

Course Edit Proposal

For delivery to the Oregon Coast Community College Instructional Leadership Team (ILT).

Course information can be found in the online Oregon Coast Community College catalog, and the full Course Content and Outcomes Guides (CCOGs) can be requested from the Department of Academics and Workforce. Substantial changes may require submission of the New Course Proposal form.

Course to be changed:

Course Number: *Math 66*

Course Title: *Introductory Algebra*

Is this course currently a pre- or co-requisite for another course: *Yes*

If yes, list all relevant courses: *Math 95, Biology 112, 231, General Sciences 106, 107, 108, 109, Geology 207, 208*

What programs/certificates include this course, if any: *None*

Does this course require a special additional fee: *No*

Does this course satisfy a General Education or Cultural Literacy requirement (list): *No*

Requested Change:

☒ Course number

☒ Credit Hours

☐ Pre-Requisites

☒ Description

☐ Assessment Strategies

☐ Gen Ed Requirement

☐ Other

☒ Course title

☐ Contact Hours

☐ Co-Requisites

☒ Outcomes

☐ Grading Option

☐ Fees

Detail your changes:

Math 66 Outcomes

1. *Create and solve linear equations, inequalities, and systems that model contextual situations and use the model to make predictions.*
2. *Perform polynomial addition, subtraction, and multiplication and perform polynomial division by a monomial.*
3. *Use exponent and radical properties to simplify expressions and solve radical and elementary quadratic equations.*
4. *Distinguish among perimeter, area, and volume and apply the formulas and appropriate units and unit conversions in contextual situations.*

Credit Hours : 6 (4 Lecture and 2 Lab)

Course Description Introduces algebraic concepts and processes with a focus on polynomials, exponents, roots, geometry, dimensional analysis, solving quadratic equations, and graphing parabolas. Emphasizes number-sense, applications, graphs, formulas, and proper mathematical notation. Lab time will be spent on activities that assist students in reviewing topics needed to be successful in the course.

What is the need and impact of these course changes:

We are looking to shorten the STEM math pathway using funding from a grant to help implement the changes.

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Academic year and term course change intended to go into effect:

Year: 2021 ☐ Fall ☒ Winter ☐ Spring ☐ Summer

Contact Email: *alison.williams@oregoncoastcc.org*

Proposer/s Name/s:

Alison Williams

Department: *Math*

Date of Submission: *4/23/20*

See curriculum webpage for process flowchart, deadlines calendar, and General Education Philosophy Statement and definitions. Any additional questions can be sent to officeofinstruction@oregoncoastcc.org.