

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 95*

Course Title: *Intermediate Algebra*

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

If yes, list all relevant courses: *Math 105, 111, 213, 243, Biology 211, Chemistry 151, Geology 201, 202, 203*

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 95 Outcomes

1. *Factor expressions and use factoring to simplify rational expressions and solve quadratic equations.*
2. *Create quadratic models, make predictions, and interpret the meaning of intercepts, vertices, and maximum or minimum values*
3. *Solve absolute value, quadratic, rational, radical equations, and compound inequalities both symbolically and graphically.*
4. ~~*Understand the definition of a function and use it to distinguish between function and non-function relationships.*~~
5. *Interpret information provided in function notation given a function expressed in graphical, symbolic, numeric, or verbal form.*
6. *Use variables to represent unknown quantities, create a function to model a situation, and use algebra and/or technology to find and interpret a result.*
7. *Interpret properties of functions and relations, such as the meaning of a function, ordered pairs, domain and range, maximum and minimum values, and intercepts.*

What is the need and impact of these course changes:

It will bring all the techniques of solving for quadratics into one course, as opposed to be split between two courses.

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

Year: 2020 ☒ Fall ☐ Winter ☐ Spring ☐ Summer

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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.