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 251*

Course Title: *Vector Calculus I*

Is this course currently a pre- or co-requisite for another course: *No*

If yes, list all relevant courses: *N/A*

What programs/certificates include this course, if any: *This course fulfills the following GE requirements: Science, Math, Computer Science/ASOT-B, Science, Math, Computer Science/AS, Science, Math, Computer Science/AAS, Science, Math, Computer Science/AGS, Science, Math, Computer Science/AAOT.*

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
- ☐ Course title
- ■ Credit Hours
- ■ Contact Hours
- ☐ Pre-Requisites
- ☐ Co-Requisites
- ■ Description
- ☐ Outcomes
- ☐ Assessment Strategies
- ☐ Grading Option
- ☐ Gen Ed Requirement
- ☐ Fees
- ☐ Other

Detail your changes:

Course Number: MTH 251
Course Title: Calculus I

Credit Hours: 5
Lecture Hours: 55
Lecture/Lab Hours: 0
Lab Hours: 0

Course Description
Includes limits, continuity, derivatives and some applications of derivatives. Graphing technology is required, such as Desmos and/or GeoGebra which are available at no cost.

This is the first course of four courses in the Calculus sequence. ~~Lab time shall be used by students to work on group activities.~~

~~Effective Summer 2018~~, Students will ~~no longer~~ not be required to have physical graphing calculators in MTH 251. Where physically possible instructors will demonstrate using Desmos, GeoGebra, or other online programs in class. Assessments requiring the use of a graphing calculator will be done outside of the proctored exam grade component.

What is the need and impact of these course changes:

These changes were made by PCC and unfortunately we were never able to run the class as intended because of the hours needed. This change makes the entire Calculus sequence the same credits for each class and lines up with how other colleges run the sequence.

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

Year: *2021* ☐ Fall ☐ Winter ■ Spring ☐ Summer

Contact Email: *alison.williams@oregoncoast.edu*

Proposer/s Name/s:

Alison Williams

Department: *Math*

Date of Submission: *12/3/20*

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.