

October 29, 2018

TO: Dylan Rodriguez, Chair of the Academic Senate

FROM: Yat Sun Poon, Chair of the Department of Mathematics

RE: Proposal to Award Credit for Math 9C to Students with AP Calculus BC Exam Score of “4” or “5”

The Faculty at the Mathematics Department has voted on June 11, 2018 (12 for, 0 against, 0 abstain) to approve awarding credit for Math 9C to students who have a score of “4” or “5” on the AP Calculus BC Exam. As department chair, I strongly endorse this change as the AP BC Exam adequately covers all the materials that are included in our Math 9C. Therefore, I am submitting the proposal here to the Academic Senate for your consideration and approval.

Please contact me if you have any questions, or if there are any other materials or information that you might need. I look forward to a speedy approval process that would allow us to make this change effective fall 2019.

Thank you!

Encl. - Proposal

October 29, 2018,

FROM: The Department of Mathematics

TO: The Academic Senate

RE: Proposal to Award Credit for Math 9C to Students with AP Calculus BC Exam Score of “4” or “5”

Presently at UCR, a score of “3”, “4”, or “5” on the AP Calculus BC Exam grants a student credit for Math 9A and Math 9B but not Math 9C. The Faculty at the Mathematics Department has voted to approve a change and to award credit for Math 9C to students who have a score of “4” or “5” on the BC Exam.

Our rationales for the change are as follows:

1. The AP Calculus BC Exam’s content of coverage, as published by The College Board, shows that it adequately covers all of the materials that are covered in our Math 9C.

The course content of the AP Calculus BC Exam can be found here:

<http://media.collegeboard.com/digitalServices/pdf/ap/ap-course-overviews/ap-calculus-bc-course-overview.pdf>

The course syllabus of our Math 9C can be found here:

<http://mathdept.ucr.edu/pdf/syllabi/m009C.pdf>

2. The AP Exam is scored on a 5-point scale which reflects how “qualified” a student is to obtain college *credit* for a particular course. The grading scale as published by The College Board is as follows:

5 = extremely well qualified

4 = well qualified

3 = qualified

2 = possibly qualified

1 = no recommendation

Since a score of “4” represents “well qualified” and a score of “5” represents “extremely well qualified” to obtain college credit, it is justifiable to award college credit for Math 9C to those students with such scores on the BC Exam which covers the same content as our Math 9C.

3. To further justify the proposed change, we also studied the practices at other UC campuses and found that the following campuses award credit for the entire first-year calculus sequence (the equivalent of our Math 9A + 9B + 9C) to students with a BC Exam score of “4” or “5”:

U C Irvine:

<http://admission.universityofcalifornia.edu/counselors/exam-credit/ap-credits/irvine/index.html>

U C Merced:

<http://admission.universityofcalifornia.edu/counselors/exam-credit/ap-credits/merced/index.html>

U C San Diego:

<http://admission.universityofcalifornia.edu/counselors/exam-credit/ap-credits/san-diego/index.html>

Since our campus and our student body are similar to the above campuses in many ways, we believe that it is appropriate for us to apply the same standard in awarding AP credit for our equivalent mathematics courses.

Therefore, we propose to the Academic Senate to award credit for Math 9C to students with an AP Calculus BC Exam score of “4” or “5”, while keeping the award for a score of “3” unchanged (credit for Math 9A and 9B only), effective fall 2019.