

FORM E-1-A FOR BOSTON COLLEGE DEPARTMENTS/PROGRAMS

DEPARTMENT OF MATHEMATICS  
UNIVERSITY CORE  
2021

semester, with the goal of recommendations to the full department in the spring.

- 5) What were the assessment results and what changes have been made as a result of using this data/evidence? (What were the major assessment findings? Have there been any recent changes to your curriculum or program? How did the assessment data contribute to those changes?)

In this unusual academic year, the department began or continued three distinct initiatives.

- (i.) Our ongoing Teaching Seminar series, coordinated by Professors Belding and Goldstein, focussed on approaches to online/hybrid teaching and student assessment. Topics included:  
integrating antiracist teaching techniques in our courses;  
workshopping teaching techniques;  
advising: what do you say? talking about advising;  
panel discussion with recent Ph.Ds;  
pros and cons of various online homework platforms.

The seminar's updated website is:

<https://sites.google.com/bc.edu/mathteachingseminar/spring-2021>

- (ii.) As follow up, the department will conduct a summer workshop on inclusive teaching, with both graduate students and faculty participating.
- (iii.) Revision and assessment of our largest core courses, MATH1100/1 Calculus I/II, continued (see the 2020 E-1-A). All sections of both 1100 and 1101 became coordinated, using the same pilot curriculum. A new textbook was chosen for the multivariable material. In the summer of 2021, Professors Belding and Goldstein will review course evaluations, grades, and course survey data, and also solicit instructor feedback as they tune the curriculum for the future. They will also be conducting a formal investigation of multiple years of survey data related to single variable calculus students' beliefs about calculus and mathematics, reflecting on how the coordination and curriculum changes are meeting students' needs and the Core outcomes.

- 6) Date of the most recent program review. (Your latest comprehensive departmental self-study and external review.)

The department conducted a self study in the Fall of 2007, which was followed by an external review on April 24-25, 2008. The next review will take place in AY 2022.