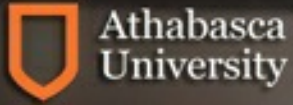


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## The adoption of open educational resources by one community college math department

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### Abstract

The high cost of textbooks is of concern not only to college students but also to society as a whole. Open educational resources promise the same educational benefits as traditional textbooks; however, their efficacy remains largely unproven. We report on one community college's adoption of a collection of open resources across mathematics classes. During the 2012 fall semester, 2,043 students in five different courses used these resources. We present a comparison between the previous two years in terms of the number of students who withdrew from the courses and the number that completed the courses with a C grade or better. The results suggest that while there was likely no change in these educational outcomes, students who have access to these materials collectively saved a significant amount of money. Students and faculty were surveyed about their perceptions of these materials and the results were generally favorable.

## Keywords

Open educational resources, open textbooks, electronic textbooks, open access, sustainability, Mathematics education

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