

# Implementing an Adaptive Learning Math pilot

## Presentation Content

We will present the results of the summer program – including the rate at which students mastered topics, how much time was spent on task, improvements to placement exam scores and hopefully information related to performance during the fall semester.

This program was designed and implemented by the Instructional Technology and Media Services, the Library, Math Department and Murray Woman Center. The goal was to explore ways of better preparing out students for college level Calculus and PreCalculus courses. To make this project a success we needed to look at ways to redesign the current curriculum to work with some of the adaptive learning software packages that are commercially available.

The summer pilot was a success. We were able to measure very specific outcomes which include how many topics a student mastered throughout the semester, how much time was spent using the software, how students performed using the Maplesoft Placement exam before during and at the end of the summer session. We hope to be able to discuss how these students performed in their first semester of MATH courses during the fall 2012 semester. Finally we will be able to discuss how this initial pilot has changed the current MATH curriculum.

Math preparedness is an issue that is relevant to all higher education institutions. Similarly, adaptive learning and curriculum redesign are ways that institutions can improve learning effectiveness.

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