

Name of Principle Investigator: James Pitarresi
Project Title: A Hybrid Approach for Teaching Calculus

1. Please consider the original timeline and deliverable targets. How is your project progressing compared with the original estimates?

We are on schedule. Our first semester of implementing the project has proceeded as planned, including the pre-semester training for the teaching assistants.

2. How is spending progressing when compared with the original budget estimates?

There have been no changes and spending is on-target.

3. Please provide feedback regarding your experience with the project execution. In particular, any issues or roadblocks you've encountered that may have been unexpected.

Originally we had anticipated having multiple instructors creating videos for flipped teaching. In fact, most instructors who tried found the technology for making the videos difficult to master on short notice. Consequently, a single instructor made all of the videos for the course which gave the videos a sense of continuity.

4. What are your positive observations or pleasant surprises about your team's interaction or project process that might would be helpful to other PI's?

Most students were enthusiastic and engaged, as expected. What was surprising is that even students who didn't seem to enjoy the flipped teaching style did better on tests than comparable students in traditionally taught sections.

5. Please describe any challenges you've encountered working with your project team that you've found solutions for that might be helpful to other PI's.

Instructors varied in their level of comfort with flipped teaching. We think that implementing flipped teaching in courses with many sections will require extensive and carefully planned instructor training. Our Math Department and Center for Learning and Teaching will develop a training program to better assist instructors using the flipped format.