

(1) Who you are

I am Jia Wu, currently an assistant professor from Department of Accounting and Finance at Charlton College of Business. I teach ACT 212 Principles of Accounting II, ACT 421 Advanced Financial Accounting and ACT 650 MBA accounting.

(2) Your project

My project includes the use of a variety of technologies on multiple dimensions of my teaching. First, I use tablet inking to demonstrate step-by-step problem solving and highlight important points in the teaching notes. Second, I created automatic grading Excel spreadsheets for homework. Students can receive immediate feedback on their input. It provides an opportunity for students to rework on the homework. In the meantime, automatic grading also slashes my grading time. Third, I use WebCT myCourses intensively in all of my accounting courses. The tools I have used include online quizzes, homework assignments, discussion boards, and Wimba classroom. Lastly, I use an online homework management system called CONNECT offered by the publisher McGrawHill for ACT212 Principles of Accounting II. This tool provides a number of controls for online homework. I can allow multiple attempts for students to work on the homework. Feedbacks and tips can be provided to students when they work on the homework. It can also create algorithmic problems (same problem with different numbers for different students) to deter students' cheating on homework. As the course coordinator, I am also able to quickly share the homework assignments with other instructors of ACT 212. They do not need to create the homework assignments again.

(3) The results of your project (the meaning of results is broadly conceived)

I have received many positive student responses and comments on my teaching innovation in accounting courses. Class participation, homework submission and correctness rates have improved in ACT 212 and ACT421. Exam grades have improved for ACT 421 and ACT 650 after the use of technologies.

(4) How other faculty might replicate your project/do something similar/etc.

Three other faculty members in the Dept. of Accounting and Finance have joined me in the use of tablet inking for their teaching. I gave a presentation on the use of automatic grading during the UMD Talk About Teaching Lightning Session and a few faculty showed their interest. I share my ACT212 WebCT course sites with two other instructors. They start to use myCourses tools for their teaching too. I gave a presentation to share my experience on the use of Wimba online classroom at Charlton College of Business. Our department chair Prof. Puri has started to use Wimba in his online classes. The use of technologies can be replicated for many other faculty to enhance their teaching and improve student learning experience. It also facilitates my course coordination of ACT 212 since instructors of different sections can use the same materials and assessments to ensure quality consistency.