

1067-J1-2060      **Erick B Hofacker\*** ([erick.b.hofacker@uwrf.edu](mailto:erick.b.hofacker@uwrf.edu)), University of Wisconsin - River Falls, 214C North Hall, River Falls, WI 54022. *An Emphasis on Application and Communication through Podcasts.*

This multiple semester project in Business Calculus is taught in a manner that focuses on conceptual understanding and the solving of real-life applications. There is also an end of the semester project integrated into the course which is evaluated by additional faculty from both the math department and the business department.

Technology is heavily integrated into the course, as it meets in a computer lab. At the beginning of the semester, students are introduced to instructor produced podcasts, which connects to the material they are currently learning. This is either a short lesson on a concept or the solving of a specific problem. Student groups or individuals begin making their own podcasts of solutions to problems they would complete as part of their homework assignments. Each student is typically responsible for making one podcast every two weeks, and more than one group would create a podcast for each problem. In essence, the students created a detailed solution's manual for the homework, which was evaluated and corrected by the instructor. The emphasis is on not only correct solutions, but correct reasoning and explanation. Students are provided an opportunity to engage in mathematical communication. (Received September 22, 2010)