

1067-H1-2036      **Sherrie Serros\*** ([serrossj@uwec.edu](mailto:serrossj@uwec.edu)), University of Wisconsin - Eau Claire, Hibbard Hall 502, Eau Claire, WI 54702, and **Erick B Hofacker** and **Rebecca Ledocq**. *Communicating Mathematically Through Podcasts*.

With funding by the University of Wisconsin System, we developed a project for 2010-2011, to increase the percentage of college freshman from Northwestern and West-central Wisconsin High Schools ready to enter credit-granting courses in mathematics in the UW-System. All incoming freshmen in the system take a common placement exam to determine course placement at each institution.

To meet the goals of the grant, we are conducting multiple workshops with 20 high school math teachers in our area to discuss the transition for students from high school to collegiate mathematics. During these workshops, mathematical threshold concepts which impede student progress will be identified by the group. Once threshold concepts are identified, participants will create approximately 300 podcasts which may be used by students to overcome their misconceptions. Collegial critiques of the podcasts will address quality and appropriateness of each podcast before open access.

The complete collection will be available through the internet. High school students may then view podcasts to assist with areas of difficulty as identified through the early math placement test. Students will be allowed to provide feedback on the usefulness of each podcast once it is viewed. (Received September 22, 2010)