

DOMAIN: Mobile and Wireless Technologies

**ARTICLE: “Mobile Learning Technologies: Aligning Mission with Innovation”
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by Chad Kjorlien, St. Mary’s University of Minnesota & Amy Hermodson, Winona
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ABSTRACT:

Documents how a university adopted “Tegrity” (<http://www.tegrity.com/>), a new technological innovation designed to enhance student learning of course material through note-taking hardware and software. Describes the challenges associated with the adoption of Tegrity and the educational outcomes that resulted.

After investigating multiple technology options, the product Tegrity Campus was selected, which allows an instructor to capture the entire content of their class (video, audio, Tablet PCs or other digital media devices) and the student to upload their notes to a computer and synchronize them to the classroom content.

- + Literature in the area of learning outcomes suggest that classroom note-taking and listening is a complex skill that requires students to quickly and effectively synthesize what they hear into coherent and meaningful notes (especially difficult for slow-writers and students who may need to hear critical content or ideas repeated)**
- + As Tegrity captures class content in its entirety, it frees students to concentrate on what the instructor states as opposed to “writing everything down.” Reviewing the classroom presentation a second time, with the inclusion of the student’s notes, demonstrated a stronger grasp of classroom content**
- + With the audio and video from the classroom, Tegrity provides a portable, convenient and 24/7 on-location study guide/aid from a laptop computer or PC**
- + Faculty have objective data from which to review and evaluate their teaching effectiveness**
- + Reduces time spent in class by faculty to address remedial questions, thereby, allowing for more advanced material to be explored**
- + Critical to the success of the project was an existing academic and IT culture that embraces innovation in learning strategies. Through surveys and interviews the faculty and students were able to review and reflect upon the manner in which Tegrity integrated into the curriculum and its effect on the quality of the learning experience**