

1106-R1-214 **Erick Hofacker*** (erick.b.hofacker@uwrf.edu), 214C North Hall, River Falls, WI 54022.
Flipping the Classroom Routine in Statistics.

The course is designed for students to complete 19 different modules, which all have similar formats. The delivery of the course involves the use of screencasts, created by the professor, that showcase concepts, terminology, procedures, and technological demonstrations. Once students have viewed the videos, the learning management system unlocks a short prep quiz that they complete before class.

At the start of class, students are asked to present information from the videos and define terminology at the board. That information is typically left on the board through the hour and is used to jump start a large group discussion that looks at where statistical questions would be posed in real-life situations. Students are then broken into smaller teams (3-6) and typically work on a statistical task. Student reasoning & sense making of the task is collected through taking pictures on camera phones and is presented to their peers. Students then move to an interactive activity involving some form of technology to assist with representation and conceptual understanding. The module concludes with students working on application problems delivered through MAA WeBWork. As students work they are encouraged to work in teams and share information and assistance across teams. (Received August 11, 2014)