

1106-G5-1087      **Matt Boelkins\*** (boelkinm@gvsu.edu), C2508 Mackinac Hall, Grand Valley State University, Allendale, MI 49428. *Small-group activities instead of examples: an inquiry-based approach to calculus.*

Historically, calculus texts and calculus instruction have presented students a large number of completed examples. Often, students then solve related problems by emulating work done in the examples. In an effort to instead have students build their own intuition, think more independently, and discover key ideas themselves, I have developed a large (and freely available) collection of activities that engage students in learning calculus in a more inquiry-based style. In this talk, I will share some sample activities, discuss the structure of a typical class meeting, and reflect upon student feedback and outcomes with this approach. (Received September 10, 2014)