

1145-34-1306 **Corban Harwood*** (rharwood@georgefox.edu). *Using Projects to Flip the Differential Equations Classroom*. Preliminary report.

This talk compares traditional lecture to several active learning styles of teaching before giving a personal example of transitioning to a flipped classroom using class activities and projects. Many of the projects used were developed by the SIMIODE community and include extensive comments for implementation by the Instructor. In agreement with previous studies done, student and instructor feedback through this experience has supported the use of projects to motivate and improve student learning as well as providing alternative perspectives and applications of the course material to deepen their understanding. (Received September 20, 2018)