

1106-R1-2814      **Jason A Miller\*** (millerj@math.osu.edu), **Gary Kennedy** (kennedy@math.osu.edu) and **Elizabeth A Miller** (elizmiller@math.osu.edu). *Using Flipping Pedagogy in an Online Course.*

Excursions in Mathematics is a liberal arts math course which has traditionally been taught using large lectures and group-work based recitations. One major clientele for this course is nursing majors. With the advent of an online nursing program at Ohio State, it became necessary to put this course online (and quickly!). We wished to design an online course which still used group work as a central teaching method. This course has been taught online since Autumn 2013, and we have gradually developed a structure that bears a striking resemblance to a flipped classroom, only online! Students work through interactive online lessons asynchronously before class meetings. Then, the students attend synchronous online class sessions using Adobe Connect. In these class sessions, students are broken into groups using breakout rooms. Students work on problems collaboratively in their groups. They talk to each other using both microphones and a chat box and write on a common handout on the screen. The instructor jumps from group to group, asking leading questions and guiding the students. Despite some technical difficulties, we have found that this format really does engage students in learning the mathematics. (Received September 16, 2014)