Based on advice from other educators who had flipped their classes, I decided it could work well for Applied Linear Algebra at the University of Georgia. This is a new course, and it attracts several students from other fields. I realized flipping could be used to make these students more self-reliant learners, which is especially important when looking for ways to apply topics learned in class to real-world situations. In this talk, I will outline the structure and resources I used in this course and also give my opinion about what worked and what I would do differently the next time. (Received August 26, 2014)