

1145-F5-1020 **James Hamblin*** (jehamb@ship.edu). *Helping Students Master Linear Algebra Through Writing.*

One of the main struggles that undergraduate students have with learning linear algebra is the large amount of new vocabulary they need to learn, especially at the beginning of the course. When I teach linear algebra, I focus on mathematical language and writing, and use technology to de-emphasize row-reduction. I create videos where I walk through terminology, definitions, and proofs with lots of examples. Assignments focus on reasoning and simple proofs. In this talk, I will provide details for the methods that I use in my course, as well as data to show how effectively students are learning these concepts. (Received September 18, 2018)