

1116-97-2895      **Amanda Ellis Francis\*** ([amanda@mathematics.byu.edu](mailto:amanda@mathematics.byu.edu)), 275 TMCB, Department of Mathematics, Brigham Young University, Provo, UT 84602. *Teaching strategies for a first course in linear algebra.*

Linear Algebra is polarizing course. Most students end the semester having been transformed by the magic of linear systems, vectors, and matrices; some for good (full of love for mathematics and wonder at its logic), and some for evil (full of animosity for the tedious complexity of mathematics and venomous hatred towards proofs). What can we do save the mathematical souls of our linear algebra students? In this talk, I will discuss some of the strategies that I have found helpful in convincing undergraduates to appreciate linear algebra, even as they face seemingly insurmountable mathematical and logical obstacles. (Received September 22, 2015)