

1116-K1-829 **Paul T Taylor*** (pttaylor@ship.edu). *Using challenge problems to motivate exploring models.* Preliminary report.

In a general education level class, it is often a success to teach students to understand a model well enough to apply it as intended. The more creative aspects of mathematical modeling can seem out of reach, especially in a course not specifically focused on the modeling process. In this talk we explore using extra credit challenge problems to motivate students to adapt, combine, and improve models in a general education class in financial mathematics. (Received September 13, 2015)