DATE: November 25, 2014
TO: Whom it may concern
FROM: Bob Coffman, Chair
RE: UTCH 706 Proposal

A new course, UTCH 706: Functions and Modeling, is being proposed as a required course in the STEMteach post-baccalaureate initial certification pathway. This course would be required for both the mathematics and science teaching candidates in this cohort-based program. UTCH 706 is intended to provide a bridge between content and pedagogy for students in the STEMteach program. UTCH 706 is also intended to provide teacher candidates with illustrations of the modeling standards outlined in both the K-12 Common Core Math Standards and the K-12 Next Generation Science Standards.

A similarly named undergraduate course, MATH 316: Mathematical Modeling, counts as a content elective in the Mathematics – Secondary Education program, and likewise as an elective in the in the Mathematics – Liberal Arts program. Although MATH 316 meets content requirements for the undergraduate Secondary Education – Mathematics major, it does not delve into pedagogy, as it is meant to serve both Liberal Arts and Secondary Education majors.

The Mathematics Department hereby asserts that there is no significant overlap between MATH 316 and UTCH 706.