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.