


# UTEP 4th Annual Progress Update

June 12th, 2012

San Antonio, Texas

# UNIV 1301 Foundations of Engineering

## YEAR 4 RESULTS :

- UTEP taught 16 sections of UNIV 1301 course - Foundations of Engineering - during Fall 2011 – to all COENG majors
- Each section had 28 students for a total of 448 students in Year 4; We have now taught the new course to over 1,200 UTEP students

*Preliminary*

# Introduction of MATH 1508

- In Fall 2011 and Spring 2012 semester continued: *Engineering Applications of Math* courses as special sections of MATH 1508
- Co-taught by Engineering/Mathematics Faculty & a Peer Leader team
- 6 sections total of 30 students / 180 total
- Now taught the new course to 450 students

# MATH 1508 MODEL

**Student feedback on the new course is overwhelmingly positive**

**We are following student retention and time to graduation – to determine longitudinal impact**

**Grade distribution is NOT different thus far – so retention is not altered.**

**Effect on time to / completion of graduation is of ongoing interest**

**Dept of Math and COENG collaboration is real and a paradigm shift!**

# Challenges & Opportunities

**CHALLENGES:**

**Dept of Math challenged to provide Peer Leaders**

**Colleges of Engineering and Science commitment to reform, by expanding to more sections**

**OPPORTUNITIES:**

**Translation of model to MATH 1411 Calculus (next course in sequence).**

# Year 5 Plans

Fall 2012 and thereafter in 2013:

- Teach 18 COEN sections of UNIV 1301 Foundations of Engineering and
- Continue MATH 1508 experience, AND advance planning and introduction of more sections and more courses in 2013.
- Continue evaluation to determine ultimate longitudinal impact.