TEMPORARY SYLLABUS PRIOR TO FIRST DAY OF CLASSES

INSTRUCTOR INFORMATION
Associate Professor of Mathematics, Dr. John Lamb Ph.D, BEP 247D, UT Tyler School of Education, 903-566-7390, jlamb@utyler.edu

OFFICE HOURS
Thursday 9:00-12:00

COURSE FORMAT AND DESCRIPTION
Scope and sequence of the elementary mathematics curriculum, materials, and selected instructional techniques. Prerequisites: MATH 1350, MATH 1351, EDUC 3310 and EPSY 3330, admission to Educator Preparation Program. Field Based

COURSE LEARNING OBJECTIVES
The students will be able to:
• identify and discuss methods of teaching mathematics using research and knowledge found in the textbook and classroom instruction with 80% accuracy.
• plan and implement instructional lessons using the ADDIE model in conjunction with the school of education teacher directed and 5E lesson plan templates with 80% accuracy.
• demonstrate and complete project based activities designed to connect Science, Technology, Engineering, and Mathematics with 80% accuracy.
• discuss and demonstrate effective use of manipulatives in the teaching of mathematics with 80% accuracy.

COURSE TEXTBOOK

COURSE EVALUATION AND REQUIREMENT DESCRIPTION
*Online Readings 10%
--Students are expected to read chapters in the textbook and answer an online quiz associated with each chapter’s reading.

*ADDIE Field Lessons 30%
--Each student/group of students will complete assignments associated with the A, D, and D components of the ADDIE model for each of two field Lesson plans. Each student/group of students will present their ADD components of each ADDIE model prior to teaching the lessons in Field. Each student/group of students will complete an ADDIE Work Product for a Teacher Directed and 5E lesson upon completion of their lesson implementation.

*Project 20%
--Each Student Group will complete integrated projects associated with ELED 4314 (Race Car and Kite Project). Each student will complete this project associated with the implementation of the iPad in teaching mathematics.

*Math, Me, and My Philosophy paper 10%
--Each student is required to write a 3-5 page paper discussing their personal history and relationship with mathematics from elementary school through college followed by their philosophy of teaching mathematics.

*Exams 30%
--There are two scheduled exams. Each exam will have two sections. The first section will cover knowledge-based information acquired through chapter readings and class lectures. The second section will be performance based covering applicable knowledge of teaching methods covered in readings and class discussions. An Oral Exam (mock Principal Interview) will be conducted individually with students after Thanksgiving till Finals Week.

A=100%-90%  B=89%-80%  C=79%-70%  D=69%-60%  F=59%-0%