THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICAL SCIENCES

Course Number: MATH 5360-13386 & MATH 4370-17075
Course Title: Introduction to Research in Mathematics Education (Part 1)
Credit Hrs: 3
Term: Fall 2009
Course Meetings & Location: Thursdays, 5:00pm – 7:50pm
Bell Hall 143
Prerequisite Courses: Departmental Approval
Course Fee: (if applicable) None
Instructor: Kien Lim
Office Location: Bell Hall 301
Contact Info: Phone: (915) 747-6772
E-mail: kienlim@utep.edu
Fax: (915) 747-6502
Emergency Contact: (915) 747-5761
Office Hrs: Mondays: 3:30pm – 5pm
Tuesdays: 3:30pm – 5pm
Thursdays: 2:00pm – 3pm & 7:50pm – 8:30pm
Textbook(s), Materials:
Required: i. Course packet of selected articles
Suggested: Lessons learned from research. Reston: VA: NCTM.
Course Objectives (Learning Outcomes):
This course is an introduction to current research literature in mathematics education focusing on the relations between research and practice. Students are expected to
• Increase familiarity with research in mathematics education (issues related to learning and teaching of algebra in particular)
• Learn the process for conducting research and write a mathematics education research paper
Course Activities/Assignments:
Students will participate in in-class activities, read assigned articles and book chapters, turn-in weekly homework assignments, prepare for weekly quizzes and mid-term exams, and submit a research paper (either individually or jointly with a classmate).
Assessment of Course Objectives:

- Assignments are due via Blackboard each Monday, 11pm. They will be graded based on effort. Late work will not be accepted.
- Your comprehension of the assigned readings and understanding of mathematical knowledge (both content and pedagogical content knowledge) will be assessed via mid-term exams and quizzes.
- Quizzes are given at the beginning of each class.
- Your research paper must be related to teaching and/or learning of mathematics. It must have a clear purpose, well-defined research questions, a thorough review of relevant literature, and a brief research plan.
- The day of class and the final exam time will be used for students to present their research paper. The presentation will not be graded but will be considered for students whose grade falls just shy of a letter grade cutoff.

Course Schedule:
- Census Day (Sep 9)
- Mid-term Exam 1 (Oct 8)
- Mid-term Exam 2 (Nov 12)
- Last Day to Drop with a “W” (Oct 30)
- Due Date for Research Paper (Nov 30, 11pm)
- Presentation of Research Papers (Dec 3 & Dec 10: 5–8pm)

Grading Policy:
- Homework Assignments 10%
- Quizzes 20%
- Research Paper 30%
- Mid-term Exams 40%

Make-up Policy:
- There will be no make-up for assignments and assessments.
  The lowest score of your assignments and the lowest score of your quizzes will be dropped to allow for one missed assignment/assessment.
- If you should miss the exam, the possibility of a make-up will be determined on an individual basis. If you cannot provide documentation to support your reason, your exam grade will be counted as the missed-exam grade.

Attendance Policy:
- Attendance will be taken.

Academic Integrity Policy:
- Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Refer to the UTEP’s Policy at http://academics.utep.edu/Default.aspx?tabid=23785.
**Civility Statement:** Be punctual. If you are late for class you will not be given extra time to complete your quiz and 25% of your score will be deducted.

**Disability Statement:** If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at dss@utep.edu, or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

**Military Statement:** If you are a military student with the potential of being called to military service and/or training during the course of the semester, please inform your instructor as soon as possible.