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

Course Number: MATH 5360-13217
Course Title: Introduction to Research in Mathematics Education (Part 2)
Credit Hrs: 3
Term: Fall 2009
Course Meetings & Location: Tuesdays, 5:00pm – 7:50pm
Prerequisite Courses: MATH 5360 (Part 1)
Prerequisite Courses: 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 & 7:50pm – 8:30pm
Thursdays: 2:00pm – 3pm
Textbook(s), Materials: Required:
   i. Course packet of selected articles
Suggested: *Handbook of Research Design in Mathematics and Science Education.*

Course Objectives (Learning Outcomes): This course is the second part of introduction to research in mathematics education. It focuses on qualitative research methods. Students are expected to
   - Increase familiarity with research in mathematics education (issues related to learning and teaching of algebra in particular)
   - Learn how to analyze qualitative data
   - Conduct a research study and write a research report

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 report.
Assessment of Course Objectives:
- Assignments are due via Blackboard each Sunday, 11pm. They will be graded based on effort. Late work will not be accepted.
- Your comprehension of the assigned readings and understanding of key ideas will be assessed via mid-term exam and quizzes.
- Quizzes are given at the beginning of each class.
- Your research report must have a clear purpose, well-defined research questions, a thorough review of relevant literature, and a research method section which include design, data collection, and preliminary analysis.
- The final exam time will be used for students to report their research. 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 (Oct 20)
- Last Day to Drop with a “W” (Oct 30)
- Due Date for Research Paper (Nov 30, 11pm)
- Presentation of Research Papers (Dec 8, 5pm–8pm)

Grading Policy:
- Homework Assignments 10%
- Quizzes 20%
- Mid-term Exam 20%
- Research Report 50%

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.