Course Number: MATH 5370-34436
Course Title: Seminar: Mathematical Processes and Practices
Credit Hrs: 3
Term: Fall 2014
Course Meetings & Location: Monday-Friday 5:00PM – 7:10PM
Prerequisite Courses: Departmental Approval
Course Fee: (if applicable) None
Instructor: Kien Lim
Office Location: Bell Hall 301
Contact Info: E-mail Address: kienlim@utep.edu
Office Phone: (915) 747-6772
Fax Number: (915) 747-6502
Emergency Contact: (915) 747-5761
Office Hours: Thursdays 1:30PM – 3:00PM & By Appointments
Course Description: MATH 5370 Seminar on Mathematical Processes and Practices is designed to help graduate students and/or in-service math teachers enhance their own Mathematical Habits of Mind using Grade 6-12 math content. This course is a math course with activities and investigations that focus on thinking and reasoning.

Textbook(s), Materials:
- Required:
  - Ways to Think About Mathematics: Activities and Investigations for Grade 6-12 Teachers by Steve Benson, Susan Addington, Nina Arshavsky and Al Cuoco.
  - More Good Questions: Great ways to Differentiate Secondary Mathematics Instructions by Marian Small and Amy Lin.

- Recommended:
  - 5 Practices for Orchestrating Productive Mathematics Discussions by Margaret Schwan Smith Mary Kay Stein
Course Objectives: Students will
- Experience and develop mathematical habits of mind through solving problems that foster mathematical thinking
- Connect their mathematical experiences to the five process standards in the Principles and Standards for School Mathematics document by the National Council of Teachers of Mathematics
- Connect their mathematical experiences to the eight standards for mathematical practices in the Common Core State Standards

Activities/Assignments: Students will participate in in-class activities, read related texts, post reflections via Blackboard, work on homework math problems, and prepare for in-class assessments and exams.

Assessment: • Homework assignments will be posted via Blackboard after each class. They are at the beginning of the class after next.
• Your comprehension of the assigned readings and underlying math concepts will be assessed via in-class assessments and exams.
• In-class assessments are given at the beginning of a class.
• At the end of each class, post a journal entry which is generally a reflection of what one has learned, experienced, read, or watched.

Important Date: Census Day June 11 (Wed)
Mid-term Exam June 20 (Fri)
Final Exam July 3 (Thurs)

Grading Policy: Homework Assignments 25%
In-class Assessments 15%
Reflections 15%
Mid-term Exam 15%
Final Exam 30%

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 in-class assessments 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://sa.utep.edu/osccr/academic-integrity/.
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 you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.

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.