

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

Course Number: MATH 5396 – 27245

Course Title: Graduate Research

Credit Hrs: 3

Term: Spring 2017

Course Meetings & Location: Tuesdays: 6:30pm – 7:50pm
Bell Hall 125

Prerequisite Courses: Departmental approval

Course Fee: (if applicable) None

Instructor: Kien Lim

Office Location: Bell Hall 301

Contact Info: Office Phone: (915) 747-6772
E-mail Address: kienlim@utep.edu
Fax Number: (915) 747-6502
Emergency Contact: (915) 747-5761

Consultation Hours: 7:50pm – 8:00pm (Thurs)
6:30pm – 8:00pm (Thurs)

Textbook(s), Materials: Improving Schools through Action Research (3rd ed.) by Cher Hendricks.
Online Resources

Course Description: A written report on an appropriate subject in mathematics or statistics is required. This particular course focuses on scholarship/research in the field of mathematics education.

Course Objectives: Students will

- (a) learn the how to write a research paper and give research presentation
- (b) produce a written report of their research (initiated in MATH 5360)
- (c) learn the process of submitting manuscript for publication or proposal for conference presentation

Course Activities/Assignments: This course is a hybrid between an independent study with one-to-one meetings and a regular course with scheduled class meetings. Students will attend class meetings as a group on Tuesdays to discuss common themes like data analysis, technical writing and presentation tips and individual sessions to discuss issues specific to their research.

Grading Policy:

Homework & Assessments	20%
Presentation of Research Paper	20%
Research Paper	60%
Manuscript submission for journal/conference	Bonus: 10% max

- Assessment of Course Objectives:**
- Homework is assigned via Blackboard and in-class assessments are administered during class meetings
 - Research paper (due April 23, 11pm, via Blackboard) will be assessed, using a rubric, on research design, rigor of analysis, interpretation of results, quality of writing, and review of literature.
 - Research presentations will be assessed, using a rubric, on clarity and organization, engagement and flow, and appropriateness in terms of scope and audience.
 - Proposals for publication (e.g., Mathematics Teacher, School Science and Math) and conferences (e.g. NCTM, TCTM, GEPCTM, CAMT, PME-NA)

Course Schedule: Census Day – Last Day to Drop (Feb 1)
Last Day to Drop with a “W” (March 30)

Attendance Policy: Attendance will be taken.

Incomplete Policy: All grades of Incomplete must be accompanied by an Incomplete Contract that has been signed by the instructor of record, student, departmental chair, and the dean. The College of Science allows a period of one month to complete this contract. A grade of Incomplete is only used in extraordinary circumstances confined to a limited event such as a missed exam, project, or lab. If the student has missed a significant amount of work (e.g. multiple assignments or tasks), a grade of Incomplete is not appropriate or warranted.

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, 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 20% 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.

Resource on APA Style

- APA Formatting and Style Guide at Purdue Online Writing Lab
<https://owl.english.purdue.edu/owl/resource/560/1/>

Resources on Writing Your Research

- Information on Academic Writing by Purdue Online Writing Lab (OWL)
<https://owl.english.purdue.edu/owl/section/1/2>
- Writing the Thesis by Mark Griffin
<http://online.sfsu.edu/~mgriffin/WritingTheThesis.pdf>
- Writing And Presenting Your Thesis Or Dissertation (eBook) by Joseph Levine
<http://www.learnerassociates.net/dissthes/>
- How to Write Your Thesis, compiled by Kastens, Pfirman, Stute, Hahn, Abbott, and Scholz
http://www.ldeo.columbia.edu/~martins/sen_res/writingtips2.htm

Resources on Giving Presentations

- Video Vignettes on Technical Speaking
http://techspeaking.denison.edu/Technically_Speaking/Home.html
- Giving a Good Presentation by Joseph Gillian
<http://www.d.umn.edu/~jgallian/goodPPtalk.pdf>
- Tips for Oral Presentation by Larry Lesser
<http://www.math.utep.edu/Faculty/lesser/speaking.html>

Avenues for Publishing Your Work

- List of Mathematics Education Journals, compiled by a collaborative group in Univ. of Southampton
<http://www.crme.soton.ac.uk/links/journals.html>
- Wiki on Mathematics Education Journals
<http://mathedjournals.wikispaces.com/>
- Write for Mathematics Teacher
<http://www.nctm.org/publications/write-review-referee/journals/Write-for-Mathematics-Teacher/>