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

Seminar - 33172 - MATH 5370 – (Axiomatic Geometry)

| Class 4:20 pm - MTWRF Bell Hall | Jul 05, 2016 – Lecture |
| 6:30 pm | 130A | Jul 29, 2016 (LECT) |

Term: Summer II, 2016
Prerequisite Courses: (Math 3325)
Instructor: Dr. Emil Schwab
Office Location: BH 201
Contact Info: Phone # 747-6758
E-mail address: eschwab@utep.edu
Office Hrs: TBA
Textbook(s), Materials: A textbook is not required.

Contents: The course is in axiomatic geometry: the axiomatic systems (Hilbert/Birkhoff) of Euclidean geometry and the classical models for non-Euclidean geometry. The course is suitable for all mathematics majors, including those who plan to become high school mathematics teachers.

Goals: 1.) Students are expected to build a solid understanding of the axiomatic systems.
2.) Students will build a solid understanding of the concepts and a good proof-writing skills

Exams and Assignments: There will be two exams. Homework will be assign regularly. The homework will not be collected, but will be discussed in class. The exams will include problems from homework.

Grading Policy: Each exam (worth of 100 points) represents 50% of the final grade. The final grade will be determined by the average of the exam’s scores respecting the following grading scale:
A 85-100; B 70-84; C 55-69; D 40-54; F below 40.
Extra credit will be given for class participation.

Make-up Policy: Make-ups/retests will be given only under extraordinary circumstances documented by the student and at the discretion of the instructor.
Attendance & Withdrawal: It is the student’s responsibility to attend class, to be in contact with all the information transmitted in the class and to make up the work for the missed class. It is expected that everyone attend every class and arrive on time. It is the student’s responsibility to drop the course, the deadline to drop with an automatic W is July 22, 2016. After the drop deadline the College of Science will not approve any drops (W) and you can be dropped only with an F.

Academic Integrity Policy: Students are required to follow UTEP policy (Academic Dishonesty at UTEP) available at http://academics.utep.edu/Default.aspx?tabid=23785

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. The student is responsible for presenting to the instructor any CASS 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, you are encouraged to contact the instructor as soon as possible.