# MATH 4403 - Geometry- Fall 2017

- ROOM and TIME: MSCS 514, MWF 1:30-2:20.
- INSTRUCTOR: Dr. Roger Zierau
- OFFICE: MSCS 502A
- OFFICE HOURS: Thursdays 1:30-2:30 (in the MLSC), Mondays 9:30-11:20 (in MSCS 502A) and by appointment
- PHONE: 744-6296, E-MAIL: roger.zierau@okstate.edu

**TEXTBOOK:** *Foundations of Geometry*, second edition, by G. A. Venema is the required textbook.

**COURSE CONTENT:** This is a course on geometry from an axiomatic point of view. We will study Euclidean and hyperbolic geometry. The course is very much 'proof oriented'; we will learn and practice methods of proof. Chapters 2-4 will be covered thoroughly, as will much of Chapters 5 and 6. Parts of several other chapters will also be covered.

**GENERAL INFORMATION:** Students are expected to attend all classes and work all of the assigned homework problems. Students are also expected to read and study the relevent sections of the textbook. Students will be required to submit carefully and precisely written solutions to problems.

**HOMEWORK:** . There will be weekly homework assignments that will be written up carefully, handed in and graded. Students may discuss problems with others in the class or seek help from the instructor. However, each student's submitted written work must be the student's own However, each student must write her/his own solutions. In other words, students may collaborate with others in finding solutions or getting ideas, but may not collaborate in writing the submitted solutions.

**EXAMS:** There will be two inclass hour exams and a final exam. The final exam is on Wednesday, December 13, 2:00-3:50 pm.

**GRADES:** Homework will be scaled to a total of 200 points, the exams and final are 100 points each. This is a total of 500 possible points. Letter grades will be assigned as follows:

    425-500 points (85%): guaranteed A
    375-424 points (75%): at least a B
    325-374 points (65%): at least a C
    300-324 points (60%): at least a D
    0-239 points (below 60%): probable F.

**MISSED WORK POLICY:** A student shall be offered reasonable accommodation in the event that he or she misses an exam for a valid and documented reason. Arrangements must be made at the first opportunity.

**BRIGHT SPACE/D2L:** Bright Space/D2L will be used to post homework assignments, practice exams, an occasional solution to homework problem, etc. Students should be sure to regularly check Bright Space/D2L. Students should also be sure to set their email address on Bright Space/D2L to an address that they regularly use; certain announcements and reminders will be emailed to students using this address. Access Bright Space/D2L using okey login.

**SYLLABUS ATTACHMENT:** For various information such as drop dates, university policies on student disabilities, academic integrity, etc. see the OSU Syllabus Attachment.