Mathematics 409, Spring 2013 (Section #53481)
Topics in Geometry for Secondary and Middle School Teachers
Tuesday/Thursday, 1-2 PM, 301 Snow

General Information

Instructor: Prof. Jeremy Martin (you can call me either "Prof. Martin" or "Jeremy")
  E-mail: `jmartin@math.ku.edu` (the best way to contact me)
  Office: 623 Snow Hall, (785) 864-7114
  Office hours: Tue/Wed, 2–3 PM

Course description: Math 409 covers selected topics from Euclidean, non-Euclidean, and transformational geometry. The goal of the course is to give breadth to the mathematical background of secondary and middle school teachers. Students enrolled in Math 409 must enroll concurrently in Math 410.

Prerequisite: Math 122.

Website: http://www.math.ku.edu/∼jmartin/math409/

Bookmark the website and check it frequently! **You are responsible for all information posted on the website**, including announcements, homework assignments, and exam information.

Blackboard: There is a Blackboard site for the class, but it will be used only for posting grades. For all other course information, use the website.

E-mail: I will periodically send class information (announcements, homework hints, etc.) to your KU e-mail account. You are responsible for checking your e-mail regularly so as to receive this information.

Required materials: Bring a straightedge and compass (available from the KU or Jayhawk Bookstore) to class every day. In addition, you should purchase and install the software *The Geometer's Sketchpad*. The full version of the software costs $60, or you can purchase a one-year license for $10. To do so, follow the links on the course website. If possible, install *Sketchpad* on your laptop or tablet computer and bring it to class every day.

Course Requirements

Participation: Come to class and speak up. Ask lots of questions — there is no such thing as a stupid question! Keep up with the homework—it is hard to catch up in a math class if you start falling behind. And come to office hours to ask more questions (if you can't make the regularly scheduled times, send me an e-mail and we'll set up an appointment).

Homework: Homework will be due every Tuesday at 5:00 PM, starting on **Tuesday, January 29**. *Late homework will not be accepted.* I will post each assignment on the course website at least a week before the due date. You can submit written work in class on Thursdays, bring it to my office (623 Snow), or leave it in my mailbox in the Math Department office (405 Snow).

Sketchpad assignments should be e-mailed to me at `jmartin@math.ku.edu`. The grading scale for Sketchpad assignments is posted on the website. If you submit Sketchpad assignments early, I'll try to respond quickly so as to give you the chance to correct errors before the deadline. The homework assignments are worth 40% of your grade.

Tests: There will be a midterm exam, worth 20% of your grade, in class on **Thursday, March 14**. The final exam, worth 40% of your grade, is scheduled for **Monday, May 13, 1:30–4:00 PM**.

Administrative Information

Makeup work: If, for some legitimate and unavoidable reason, you are unable to turn in a homework assignment on its due date or to attend the midterm or final exam, you must notify me **in advance** to make appropriate arrangements.

Approximate time commitment: This is a 2-credit course, so I would guess that the average student should spend about 4 hours (or more) per week outside of class to get a decent grade.

Incompletes: A grade of I is a rare occurrence and is reserved for cases in which a student has completed most of the course work at an acceptable level, but is prevented from completing the course due to **extraordinary circumstances**. If you think an I may be warranted, you must consult me **before the final exam**. Note that a grade of I cannot be made up by taking the course again.

Academic honesty and collaboration: You are required to abide by all KU policies on academic integrity. Cheating, plagiarism or other academic misconduct will result in a failing grade on the assignment in question, and usually further disciplinary sanctions, possibly including a failing grade in the course.

You are encouraged to collaborate with other students on the homework assignments. However,**each student must write up his or her own solutions and acknowledge all collaborators.** It is a violation of academic integrity to copy another student's homework, or to let someone else copy yours.

Official KU policies on academic misconduct:
https://documents.ku.edu/policies/governance/USRR.htm#art2sect6

Disability accommodations: The KU Office of Disability Resources (22 Strong Hall; 785-864-2620 (V/TTY); achieve@ku.edu; http://www.disability.ku.edu) coordinates accommodations and services for all students who are eligible. If you have a disability for which you wish to request accommodations, please contact Disability Resources as soon as possible. Please also contact me privately in regard to your needs in this course.

Religious accommodations: If you know that a scheduled assignment will conflict with a mandated religious observance, please contact me in advance to make appopriate arrangements.

Intellectual property: Course materials prepared by the instructor, together with the content of all lectures and review sessions, are the intellectual property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited. Upon reasonable request, the instructor will usually grant permission to record lectures, on the condition that such recording is used only as a study aid by the student making the recording, and is not modified or distributed in any way. Course materials posted online are intended for the personal use of students in the class and must not be redistributed without the instructor's consent.