Meeting Times/Place: MW 2-3:15 or 3:30-4:45, VSC Room 203

Course Description:
- A survey of measurement, Euclidean (axiomatic) geometry, and motion geometry
- Special emphasis on the content knowledge necessary for elementary school teachers
- We don’t cover teaching methods but will see children’s examples to establish context.
- We’ll also try to note applications of the material to other majors and disciplines.

Prerequisite:
- Exemption from or passing grade in ACSD 110 (Beginning Algebra)

Texts:
- Spring 2012 Supplemental Activity and Homework Manual by Miller ($10, will be sold in class)
- A Problem Solving Approach to Mathematics by Billstein, Libeskind, and Lott (10th edition)

Classroom behavior:
- I do not permit cell phones nor other technology to be out during class. 5 point deduction!
- Do not talk out of turn in class. It seriously inhibits the learning environment. 5 point deduction!
- I CANNOT PERMIT FOOD OR DRINKS in the classroom due to serious respiratory allergies.
- Plain, unflavored water will be permitted, but no other beverages. (See above.)

Office Hours and Contact:
- My email address is lyn.miller@sru.edu; my office phone number is 724-738-2878.
- I’ll typically reply to email or voicemail within 24 hours during the week.
- Drop-in office hours are 8:30-9:30 AM daily; I’m also available by appointment.
- My office is 200-B VSC inside the Mathematics Department office suite.
- Please do not bring food or beverages into my office. You may leave them in the kitchenette.
- My web page is granite.sru.edu/~lmiller . (No “www.” and no D2L except for exam grades)
- Assignments, other information will be posted regularly on my web page, NOT on D2L.

Calculators:
- You ARE permitted to use a calculator in this course.
- You may NOT use your cell phone (see above) nor may you use graphing calculators.
- I will approve calculators for use on each exam day. They may not have text-based memory.
- If you bring an unacceptable calculator for an exam, you’ll have to do without (same if you forget).
- A cheap calculator is fine; it only needs a square root key in addition to ordinary arithmetic.
Grading:

- **50 points** - Quiz Score - ten quizzes at 5 points each (see below)
- **300 points** - Exams #1, #2, and #3 - three in-class exams at 100 points each (see below)
- **150 points** - Final Exam (see below)

The point total for the entire course is **500 points**.

- **A** = 90.0 – 100.0%; **B** = 80.0 – 89.9%; **C** = 70.0 – 79.9%; **D** = 60.0 – 69.9%; **F** = 0.0 – 59.9%.
- Attendance, effort, and other subjective considerations do NOT count toward your grade.

Quiz Policy:

- Quizzes are open-book, open-notes, and based on recent material, including notes and homework.
- Most quizzes will be in class during the last 5-10 minutes; some may be take-home.
- Quizzes may be announced or UNANNOUNCED.
- Daily HW consists of about 30 problems; do it to prepare for the VERY NEXT class and quiz.
- Email, phone, or see me about difficulties IN ADVANCE so that you are ready to take the quiz.
- Copying or other forms of cheating will not be tolerated.
- Students with SRU-documented disabilities must see me during the first week of class.

Exams:

- You’ll get a Topics List telling you what’s on each exam one week prior to its date.
- There are also old exams on my web page, but they are NOT representative of our content.
- Students say the best way to study is to use the Topics List to make your own study guide.
- Review notes, reading, and HW to see what we have said/done about each item on the list.
- Copy down precise statements and examples, as well as WARNINGS, on your study guide.
- Begin to prepare as soon as the Topics List comes out; don’t cram at the last minute.
- Students with SRU-documented disabilities must submit exam paperwork one week in advance.
- Tentative dates: Exam #1 on Feb. 22; Exam #2 on Mar. 28; Exam #3 on Apr. 25.

Final Exam:

- The Final Exam is:
  - Wednesday, May 9, 3:30-5:30 pm, for the 2:00 class
  - Friday, May 11, 1:00 - 3:00 pm, for the 3:30 class
- You MUST take the Final at the scheduled time for YOUR class.
- Do NOT plan travel that conflicts with any of your final exams.
- The Final Exam is cumulative.
- Students with SRU-documented disabilities must submit exam paperwork one week in advance.

Attendance, Make-Ups, Etc.:

- Regular and prompt attendance is expected but does NOT count toward your grade.
- An attendance sheet will circulate daily for SRU record-keeping. Sign next to your name.
- You are permitted to make up NO MORE THAN TWO quizzes for any reason. PERIOD.
- Students not missing any quizzes may replace their two lowest scores at the end of the semester.
- Make-up EXAMS require a **documented** reason and **meaningful** efforts to contact me in advance.
- Make-up quizzes and exams will not be administered until the very END of the semester.
- If you are absent, you must arrange to get the notes from a **classmate** BEFORE the next class.
- When you return from an absence, be prepared to take the quiz that may occur on that day.