MATH 2223 – Survey of Mathematical Structures II
Course Syllabus – Spring 2015

Instructor: Sarah Watson
Office: SCEN 220
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Office Hours:
MRTC Hours:

Course Objective:
This course entails exploration of mathematics through intuitive understanding. In this course, we will examine topics from the important mathematical strands of Geometry and Measurement.

Textbook:
- *Mathematics for Elementary Teachers* by Beckman (4th Edition), Pearson

Materials:
Students will be required to bring writing utensils and paper (preferably unlined) to class every day. Students will also need the following items: compass, protractor, straight edge, and scissors. Colored pencils or pens are highly recommended.

***Calculators:**
Each student will need a hand-held calculator. The TI-80's series calculators are recommended but not required.

Grading:
The course will consist of five units, each unit worth 20% of the overall grade. Each unit will be comprised of assignments, a project, and a test. For each unit, the assignments category is 6% of your overall grade, the project is 8%, and the test is 6%. Projects will be assigned in class throughout the semester, and the assignments will primarily consist of in-class activities, but may include quizzes or homework.

Letter grades will follow a 90-80-70-60 scale for A-B-C-D…respectively.

Student Expectations:
- Attend class.
- Have some fun.
- Ask questions.
- Practice new and old techniques.
- Foster a positive learning environment.
    - All questions related to the material are welcome and encouraged. To understand mathematics intuitively we must be willing to question one another.
    - Talking with one another while someone else is speaking to the class at large is rude, distracting and will not be tolerated.
    - Participate in class activities and discussions. If this is a frequent problem, the above policy holds.

Statement for Academic Integrity:
As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail. Each University of Arkansas student is required to be familiar with and abide by the University's Academic Integrity Policy which may be found at **http://provost.uark.edu/**. Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.

Inclement Weather Policy:
Class will meet unless the University is closed. You should make your own decisions in the best interest of personal safety. If attendance is severely affected by weather, deadlines and exam dates may be adjusted. Please do not contact the Mathematical Sciences department with weather related inquiries; you may e-mail me directly with those questions.

Accommodations:
Under University policy and federal and state law, students with documented disabilities are entitled to reasonable accommodations to ensure the student has an equal opportunity to perform in class. If any member of the class has such a disability and needs special academic accommodations, please report to the Center for Educational Access (CEA). Reasonable accommodations may be arranged after CEA has verified your disability. You must submit your paperwork to me as soon as possible. This must be done before accommodations can be arranged for any class assignments, quizzes, or exams.

NOTE: The instructor reserves the right to make changes to the syllabus as needed. If changes are made, you will be notified of the changes in class or by your university e-mail address.

Contact 1:

Phone:

Email:

Contact 2:

Phone:

Email: