MATH 4310/6080 (Modern Geometry) Spring 2016

COURSE INFORMATION

Instructor: Dr. Cornelius Stallmann (office: AH 325, phone: 667-4482, e-mail: cstallma@aug.edu)

Meeting Times and Location: MW 17:30-18:45 AH E362


Office Hours: W 3:00 - 5:00 pm, TR 12:00 noon - 2:00 pm, or by appointment

I encourage you to come see me often. Usually I am quite willing to see you if I am in my office, whether or not my official office hours are in effect. If you want to make sure I'm available, call or email me.

Goals: The course is an axiomatic treatment of Euclidean and non-Euclidean geometry. It will be taught using an inquiry based approach. For treatment of Euclidean geometry we will be using *Euclidean Geometry, A Guided Inquiry Approach* by David M. Clark. If you are taking this course for graduate credit (Math 6080) you will also be required to develop and present material sufficient to give a basic introduction to one or more types of non-Euclidean geometry. The goal is for you to learn Euclidean and non-Euclidean geometry as examples of axiomatic systems.

Grades: There will be a final exam which counts 1/3 of your grade. I plan to give one other test just before midterm. This test will count 1/6 of your grade. The remaining 1/2 of your grade will come from the work you present in class, the written assignments that you turn in, and your participation in class discussions. The presentation grade will be based both on the quality and the quantity of the work that you present. Written assignments will consist of careful write-ups of work that has been presented in class by you or by someone else. You will be given deadlines for write-ups no less than one week before they are due. No late homework will be accepted. If you have questions at any time during the semester about where you stand, please feel free to call me, email me, or come by my office.

Mobile Electronic Devices: The use of mobile electronic devices such as cell phones is not permitted during class or during tests.

Withdrawal Deadline: Monday, March 7

Midterm Exam Date: Wednesday, February 24

Final Exam Time and Date: Monday May 9, 5:00 - 7:00