Math 6810-001 Course Syllabus - Spring 2019

Meets: MW 12:30-1:50 in GAB 461

Instructor: Dr. Pieter Allaart

Office: GAB 415; Phone: 369-7313

Office Hours (tentative):
- MW 10:30-12:00
- T 1:00-2:00
- and by appointment.

You are also welcome to drop by outside office hours without an appointment. Keep in mind that I may be busy, and I may ask you to wait or to come back later.

E-mail: allaart@unt.edu

Book: None required. Lecture notes will be available on my web site. (See below.) Other recommended reading includes

1. P. Billingsley, Probability and Measure (3rd edition), Wiley
2. K. Falconer, Fractal geometry. Mathematical foundations and applications (3rd edition), Wiley

Prerequisite: Math 5320 (measure theory), may be taken concurrently.

Grading: Grades will be based on class participation (60%) and one substantial presentation (30-45 minutes) (40%). There is no homework or final exam.

Presentations: You will once be assigned a section of the lecture notes (or external material provided to you) to present in class. You will be given at least one week to prepare for this. You will be expected to master the material you present (be able to answer questions, etc.) Preparation for your presentation may include working one or more exercises from the lecture notes. If you need help with the exercises or otherwise would like to discuss your presentation beforehand, please come see me.

Lecture notes: The lecture notes will be posted on the web at

$$\text{http://www.math.unt.edu/}{\sim}\text{allaart/classes}$$

(Then follow the links.) These notes will be updated regularly.

Attendance: You are expected to attend class at all times, except when you are ill or have some other extenuating circumstance. If you cannot come to class, you should contact me before class. Unauthorized absences will usually harm the class participation portion of your grade. The same is true for arriving late for class without a valid excuse.

Disabilities: It is the responsibility of students with certified disabilities to provide the instructor with appropriate documentation from the Dean of Students Office.