

Math 307, Fall 2018

Introduction to Abstract Mathematics

Instructor: Dr. Stefan Richter, 322 Ayres Hall, Tel.: 974-4286

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Office hours: MWF 10-10:30, Th 1-2:30 & by appointment

Section, Time & Place: 43150, MWF 1:25-2:15, Ayres Hall 121.

WWW homepage for this class: <http://www.math.utk.edu/~richter/m307/>

Text: Math 307, Introduction to Abstract Math written by W.R. Wade and C.K. Craig, available from Graphic Creations, 213 E. 4th Avenue, Knoxville, TN 37917, (865)522-6221, www.graphiccreations.com

Goals: The goal of this course is for the students to learn how to write mathematics, how to present mathematics, how to read mathematics, and how to prove mathematical theorems. We will try to achieve this by discussing material that is basic for most areas of mathematics: sets and functions in the real line. Furthermore, students are expected to come prepared every day: read ahead and along in the text (so you learn how to read math), most days either there will be a short quiz about the homework or the homework will be collected and a random number of problems will be graded (so you learn how to write mathematics), and occasionally students will present their homework solutions in front of the class.

Mathematical discussions among students outside of class are encouraged. However, do your own homework - nobody gets help on the quizzes, exams, or when presenting HW on the board. Since homeworks will be collected, graded, and discussed daily I cannot accept late homework. At the end you may drop a number of low scores (or not hand in some day).

Attendance will be checked daily, more than 3 unexcused absences will result in a lower grade. I will decide which excuses are valid on a case by case basis. Contact the Dean of Students for absence notifications for extended absences (more than 3 days): <https://dos.utk.edu/absence-notifications/>

Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss any specific needs. Please contact the Office of Disability Services at 865-974-6087 in 100 Dunford Hall (email: ods@utk.edu) to coordinate reasonable accommodations for students with documented disabilities.

Grades: There will be 3 in class exams (50 minutes) and a final exam (Monday, December 10, 12:30-2:30). The hour exams will each count for 15% of your final grade, the final exam 25%, the homeworks, quizzes, and presentations 30%. I will explain in class how presentations are graded.

Important dates:

Monday 9-3, Labor day

Wednesday, 9-19, Exam 1

Friday, 10-5, Fall break

Friday, 10-19, Exam 2

Wednesday, 11-14, Exam 3

Friday, 11-23, Thanksgiving break

Monday, 12-3, last class

Monday, 12-10, 12:30-2:30, Final Exam