

Syllabus for Math 4301/5301, Number Theory, Fall 2020

Class information

Class time: 2:30 PM – 3:50 PM, MW
Room: Ratliff Building North 4027

Instructor information

Name: Prof. Joseph Vandehey
E-mail: jvandehey@uttyler.edu (**NOT** jvandehey@patriots.uttyler.edu)
Book: *A Friendly Introduction to Number Theory*, fourth edition
by Joseph Silverman
Office Hours: 1:00-4:00 PM Thursdays

1. CLASS STRUCTURE

We will currently have all lectures in-person, as we have few enough students enrolled to maintain social distancing during class. After Thanksgiving (or earlier, should the need arise), we will shift to all online with lectures delivered through Zoom.

2. GRADING

Class item	percent of total grade
Homework	100%

That's right. There are no exams. Your grade in this course will be completely determined by your homework scores. The lowest homework score will be dropped.

Letter grades at the end of class will be determined via standard brackets. 90% and above will result in an A, 80% to 90% will result in a B, 70% to 80% will result in a C, 60% to 70% will result in a D, and 50% to 60% will result in an F.

3. HOMEWORK

Homework will be assigned every week and be due the Friday of the following week on Canvas. The 4301 and 5301 sections will often have separate problems. 4301 problems will focus slightly more on computation and 5301 problems will focus slightly more on proofs.

Starting with the third homework, I expect your homework to be type-set, not hand-written. (Some problems are more exploratory and I will accept hand-written answers. These problems will be marked as such.) I will accept documents in any standard type-set form, including Microsoft Word documents, as well as LaTeX-generated PDFs. Tutorials will be provided to assist in writing LaTeX-based documents.

Due to time constraints, it may be that not every problem is graded for correctness, and instead some problems may be graded for completeness instead. As a result, every problem will contribute to your overall homework score.

You are *encouraged* to work together on homework problems; however, you must write up your own solutions separately to turn in. Copying and pasting answers from another student's work will be considered plagiarism.

4. IMPORTANT ADDITIONAL INFORMATION

Students are required to wear face masks covering their nose and mouth, and follow social distancing guidelines, at all times in public settings (including classrooms and laboratories), as specified by Procedures for Fall 2020 Return to Normal Operations. The UT Tyler community of Patriots views adoption of these practices consistent with its Honor Code and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff.

Students who are feeling ill or experiencing symptoms such as sneezing, coughing, or a higher than normal temperature will be excused from class and should stay at home and may join the class remotely. Students who have difficulty adhering to the Covid-19 safety policies for health reasons are also encouraged to join the class remotely. Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu.

Class sessions may be recorded by the instructor for use by students enrolled in this course. Recordings that contain personally identifiable information or other information subject to FERPA shall not be shared with individuals not enrolled in this course unless appropriate consent is obtained from all relevant students. Class recordings are reserved only for the use of students enrolled in the course and only for educational purposes. Course recordings should not be shared outside of the course in any form without express permission.

This syllabus is a general guideline for the course. Deviations may be necessary as the semester progresses.