

## **MATH 430**

Fall 2023

11:00–11:50 KAP-163

**Text:** Elementary Number Theory (7th edition) by David M. Burton

**Professor:** F.Malikov

**Office:** KAP 248F

**Office Hours:** Mon, 12:00-1:00 in my office or by appointment

**Personal Zoom Room ID: 7761187815**

## **COURSE OUTLINE**

1. This is a mathematically rigorous introduction to number theory. You will learn how to do computations, but you will have to do proofs too. We will cover chapters 2 through 9. Time permitting, some cryptography (ch.10) and/or other topics will be covered.

2. Homework will be assigned, posted at Blackboard and graded regularly. Some other (not for grading) homework will be assigned too. Remember that the best way to learn mathematics, number theory included, is to do as many problems as possible.

3. There will be 2 one-hour tests, one on October 6, another on November 8.

4. The final examination will be held on Wed, December 6, from 11 a.m.– 1 p.m.

5. Homeworks must be turned in on time and the exams taken as scheduled. I will NOT accept a late homework or give a make-up exam. In the case of a verifiable and verified emergency, such as illness and doctor's excuse, the homework or the test will be dropped (another test will be counted twice.) The final examination can only be taken as scheduled.

## **GRADING**

Homework 30%, midterms 20% each, final 30%.