Spring 2021
MATH 619-01 (44413): Theory of Numbers
MW 10:45 AM – 12:00 PM

SYNCHRONOUS LECTURES MW 10:45 AM – 12:00 PM ON BLACKBOARD COLLABORATE ULTRA

Professor: Maria Sabitova
Please reach me via email Maria.Sabitova@qc.cuny.edu, I usually answer within a day (at the latest) or follow the link I will be sending each week for the office hours 12:00 PM – 1:00 PM on MW and by appointment on Blackboard Collaborate Ultra.


Syllabus: We will cover (all or parts of) Chapters 3, 4, 6, 8, 11–13.

Web-page: http://qcpages.qc.cuny.edu/~msabitova

Tools:

- Blackboard
- WeBWorK

Homework: WeBWorK or Blackboard – 10%

Quizzes: WeBWorK or Blackboard – 5%

Tests (3+1):
All exams are during our class time on WeBWorK or Blackboard.

1. First midterm: Monday, March 1st – 20%
2. Second midterm: Wednesday, April 7th – 20%
3. Third midterm: Monday, May 10th – 20%

Final exam: see CUNYfirst – 25%
Course description: MATH 619. Theory of Numbers. 3 hr.; 3 cr.
Prereq.: Mathematics 231 or 237. Prime numbers, the unique factorization property of integers, linear and non-linear Diophantine equations, congruences, modular arithmetic, quadratic reciprocity, continued fractions, contemporary applications in computing and cryptography.

Useful links:
- Special Services for Students with Disabilities
- ITS Help Desk (technical support)

Expectations:
- Please read CUNY’s Academic Integrity policy
- You have one week since the moment you register for the course to let me know about any conflicts with the exams.
- The exams will be based on problems and theorems discussed in class as well as on the homework.
- There are no make-up or earlier exams.
- There is no make-up or alternate final.
- Missing a class does not release a student from the responsibility concerning the material and lecture notes.
- You are encouraged to ask questions in class.
- Missed exams require extensive documentation to verify absence. You are strongly encouraged to make every effort to attend exams. You can challenge my grading of an exam within a week after that exam.