

MATH 64091 ADVANCED PROBLEM SOLVING II FALL 2017

Description

This is the second half of a year-long sequence. The class meets every other week with homework assigned on-line every week. The emphasis is on connections between various topics in Algebra, Geometry, and Combinatorics. The topics covered may include: The Four Numbers Problem, Generating Functions, Rational Right Triangles and the Congruent Number Problem, Lattice Point Geometry, Pick' Formula, Rational Approximation, Dissection, Voting Systems and Arrow's Theorem, Marriage stability problem, Magic Squares.

Website

Homework assignments and other materials will be posted at
www.math.kent.edu/~soprunova/64091f17

Contact Info

Instructor: Jenya Soprunova

Office: MSB 219

Phone: (330)672-9086 (It's more efficient to contact me over e-mail.)

E-mail: soprunova@math.kent.edu

Office Hours: Please e-mail me your questions.

Class schedule

We will have nine class meetings in MSB 276 on Wednesdays 4:25-7:05 (with a ten minute break in the middle). Here are the dates: Aug 30, Sept 6, 27, Oct 4, 18, Nov 1, 15, 29, Dec 6.

Grading

Homework (50%) + Take Home Midterm Exam (25%) + Final Project (25%)

Homework

You will be assigned homework due Wednesday of every week (even when we do not have class meetings). The assignments will be posted on the course website. You will be submitting your homework on Blackboard.

Exams

- Midterm: Take-home midterm, date: to be determined;
- Final Exam on December 6th.

Students with disabilities

University policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through Student Accesability Services (contact 330-672-3391 or visit www.kent.edu/sas for more information on registration procedures).

Academic Honesty

University policy 3342-3-01.8 deals with the problem of academic dishonesty, cheating, and plagiarism. None of these will be tolerated in this class. The sanctions provided in this policy will be used to deal with any violations. If you have any questions, please read the policy at <http://www.kent.edu/policyreg/administrative-policy-regarding-student-cheating-and-plagiarism> and/or ask.

In this course you are allowed to discuss assigned homework with your fellow students but you have to write up your solutions on your own (without other people present and not using notes from discussions with other people).

Registration Deadlines

The official registration deadline (add/drop date) for this course is September 10th. University policy requires all students to be officially registered in each class they are attending. Students who are not officially registered for a course by published deadlines should not be attending classes and will not receive credit or a grade for the course. Each student must confirm enrollment by checking his/her class schedule (using Student Tools in FlashLine) prior to the deadline indicated. Registration errors must be corrected prior to the deadline. The course withdrawal deadlines are September 10th (without a W) and November 5th (with a W). To get 100%/80% tuition refund you need to drop the class by Sept 3 /Sept 10.