

## 64091 SEMINAR FOR MATH TEACHERS SPRING 2015

### Homepage

Here is the course homepage <http://www.math.kent.edu/~soprunova/64091s15> with some information about the course. Homework assignments will be posted on the course webpage.

### Description

The topics covered may include: Parity, Invariants, Checkerboard Problems, Weighings on a balance scale, Games with winning strategy, the Game of Nim, Pigeon-Hole Principle, the Marriage stability problem, Lattice point geometry, Dissections, Coloring of the plane, Polytopes and colorings, The Art Gallery Problem.

### 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](mailto:soprunova@math.kent.edu)

Office Hours: You can always e-mail me your questions or talk to me after class. Coming earlier and talking before class is also an option, but, please, do let me know you are planning to do so beforehand.

### Class schedule

We will have eight class meetings on Tuesdays 4:25-7:05 (with a ten minute break in the middle) during the semester. Here are the preliminary dates: Jan 13, Jan 27, Feb 10, Feb 24, March 17, March 31, April 14, April 28.

### Grading

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

### Homework

You will be assigned homework due Tuesday of every week (even when we do not have class meetings). The assignments will be posted on the course website. You will also be submitting your homework in class or over e-mail.

**Exams**

- Midterm: Take-home midterm, in place of one of the homework assignments, date: to be determined, possibly due March 17th.
- Final project: Presentations on April 28.

**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 Accessibility Services (contact 330-672- 3391 or visit [www.kent.edu/sas](http://www.kent.edu/sas) for more information on registration procedures).

**Registration Deadlines**

The official registration deadline for this course is January 25th. 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 January 25th (without a W) and March 22nd (with a W).

**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/chap3/3-01-8.cfm> 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).