

Math 28a – Introduction of Groups Spring 2009

Instructor: Ivan Horozov
E-mail: ihorozov@brandeis.edu
Office: Goldsmith 205
Phone: 6-3056
Class schedule: Tu, Fr 10.30 a.m. – 12.00p.m.
Office hours: Mon (9-10a.m.), Wed (9-10a.m.), Thu (9-10a.m.).
Textbook: Contemporary Abstract Algebra, Joseph A. Gallian
Sixth edition (ISBN 0-618-51471-6)

Syllabus:

Symmetry of a square. Dihedral group. Properties of cyclic groups. Euclidean algorithm. Permutation groups. Homomorphisms. Isomorphisms. Cosets. Rotational group of a cube. Rotational group of a football. Normal subgroups. Factor groups.

Class announcements: The LATTE system will be used for communication with the entire class including reminders for the weekly assignments.

Homework:

Homework will be assigned and collected every week, graded and returned to you regularly.

Grading formula:

Your grade will be based on the homework, midterm and final exams.

All the homework make 40% of your grade,
the midterm exam - 20% and
final exam – 40%.

Students with disabilities: If you are student with a documented disability on record at Brandeis University and wish to have a reasonable accommodation made for you in 28a class, please see me as soon as possible.

Please, do not hesitate to send/ask me any questions you have.