Syllabus of Combinatorics, 2016 Fall, USTC

Lecture Time: Tuesday/Thursday, 2:00PM–3:35PM
Lecture Location: 3C121

Instructor: Jie MA
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Teaching assistants:

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Covered Materials:
    Our course will give a broad introduction to combinatorics. The materials loosely can be divided into following parts: enumeration (i.e. elementary counting, inclusion-exclusion, generating functions and recursive relations), basic graph theory, pigeonhole principle (including Ramsey theory), double-counting, extremal combinatorics (including Posets, Sperner's Lemma and Turan's Theorem). If time permits, we will also talk about the probabilistic methods and the algebra methods in combinatorics.

Course Home Page: http://staff.ustc.edu.cn/~jiema/Comb2016/
    Homeworks and course announcements will be posted in the Course Home Page. Lecture outlines also will be updated there during the semester.

Homeworks:
    There will be weekly assignments during the term. Students are required to submit homework in the beginning of class on **every Tuesday**. It is highly recommended to submit written English solutions using latex.

Tests and Final:
    There will be one midterm. Closed book, closed notes and NO calculator for all exams.

Grading Scheme:
    Homeworks (20%)+ Midterm (30%)+ Final (50%).