

Syllabus

Probabilistic Methods in Combinatorics

Instructor: Péter Csikvári, peter.csikvari@gmail.com, D 3.616

Class schedule: F 2-4pm (Room D 0-312)

Office hours: Friday 10–12 am or by appointment

Webpage: http://web.cs.elte.hu/~csiki/probabilistic_method.html

Preresquisites: Probability theory

Description of the course. First moment method and alteration, second moment method, Lovász local lemma, correlation inequalities, Poisson paradigm, application of martingales, entropy.

Grading scheme. The grades are based on 5 problem sets consisting of 30 problems in total. Each problem is worth 1 point. The threshold for grade 5 (A) is 18 points. There will be no exam. For more details on the grading scheme, please consult with the extended version of the syllabus.