

Syllabus  
Math 370: Introduction to Combinatorics  
Spring 2017

|                                                                                                                      |                                   |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <i>Instructor:</i> Chris Cox                                                                                         | <i>Office:</i> Cupples 1 Room 116 |
| <i>Office Hours:</i> Mon 2-3, Wed 10-11, Fri 11-12 and by appointment                                                |                                   |
| <i>Email:</i> clcox@wustl.edu                                                                                        |                                   |
| <i>Course Website:</i> <a href="http://math.wustl.edu/~ccox/370s17.html">http://math.wustl.edu/~ccox/370s17.html</a> |                                   |

*Important Note:* Please visit the course website for more resources and details on official course policies outlined here, as well as updates through the semester.

*Text:* *A Walk Through Combinatorics*, Miklós Bóna, 4th edition.

*Lectures:* MWF 3-4

Lopata Hall 201

*Important Dates:*

|              |          |             |                |
|--------------|----------|-------------|----------------|
| Exam I       | Friday   | February 17 | (in class)     |
| Spring Break | March 12 | through     | March 18       |
| Exam II      | Friday   | March 24    | (in class)     |
| Final Exam   | Monday   | May 8       | 3:30-5:30 p.m. |

*Components of your grade:*

|                     |     |
|---------------------|-----|
| Exam I              | 20% |
| Exam II             | 20% |
| Final Exam          | 30% |
| Written Assignments | 30% |

*Letter grade cutoffs:* The determination of your final letter grade will be no more strict than the following.

| A           | A-      | B+      | B       | B-      | C+      | C       | C-      | D       | F      |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| [90, 100-ε) | [85,90) | [80,85) | [75,80) | [70,75) | [65,70) | [60,65) | [55,60) | [50,55) | [0,50) |

The cutoff for A+ is will be decided after the final exam, but A+'s will be a small "honorary" group. The decision has no GPA impact: an A+ counts the same as an A in the University GPA calculations.

*Attendance:* Regular attendance and participation is expected. The goal is to think about and work through mathematical proofs and problems together, confronting interesting and sometimes difficult new ideas.

*Homework:* Homework should be written up neatly and clearly—your goal is not merely to get an answer, but to write out a complete and concise solution. You are encouraged to work together on the homework, but the final write up should be done individually.

*Exams:* There will be two in-class hour exams and a two hour final exam.