

Syllabus: MCS 421, Combinatorics, Spring 2016

Instructor: Andrew Suk

Course Time and Place: MWF 2:00-2:50, LH 101.

Office Hours: MW 3–4pm.

Textbook: R. Brualdi, Introductory Combinatorics, 5th edition, Pearson Prentice Hall, 2010.

Website: www.math.uic.edu/~suk/mcs421sp16.html

Course Description: The aim of this course will be to cover Chapters 1-8, and if time permits Chapters 11-12. Topics include: Permutations and Combinations, The Pigeonhole Principle, Binomial Coefficients, Inclusion-Exclusion Principle, Combinatorial design, and Graph Theory.

Prerequisite: Grade of C or better in MATH 215; and Grade of C or better in MATH 310 or Grade of C or better in MATH 320; or consent of the instructor.

Grading: Quizzes 10%, Midterm 1 25%, Midterm 2 25%, Final 40%.

Exams and Quizzes: Quizzes every Friday, Midterm 1 will be on Friday February 19 in class, Midterm 2 will be on Friday April 1st in class. Final Exam TBD.

Homeworks: Homeworks will not be collected. Weekly quizzes will cover the homework problems assigned that week. Two quizzes can be dropped.

Students with disabilities: Students with disabilities who require special accommodations for access and participation in this course must be registered with the Office of Disability Services (ODS). Students who need exam accommodations must contact ODS in the first week of the term to arrange a meeting with a Disability Specialist. Please contact ODS at (312)-413-2183 (voice) or (312)-413-0123 (TTY).

Academic dishonesty: Instances of academic misconduct (including cheating, fabrication, plagiarism, threats, examination by proxy) shall be handled pursuant to the student Disciplinary Policy.