

Nebraska Wesleyan University
Math 4980: Senior Seminar
Section 1
Spring 2015

Instructor: Austin Mohr
Text: A Walk Through Combinatorics
Third Edition
Mikós Bóna
Time: MWF 2p – 3p
Room: Olin 110
Office: Olin 109D
Office Hours: MWF 11a – 12p, MWF 1p – 2p, or by appointment
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Cell: (803)-543-8735
Course Website: AustinMohr.com/math4980
Final Exam: Monday, May 11 at 2p

Course Description

Topics will be chosen from fundamental ideas in enumerative combinatorics and graph theory. The course culminates in individual study of a particular advanced topic from the text.

Grading Scale

Grade cutoffs for A, B, C, and D are 90%, 80%, 70%, and 60%, respectively. The additional “+” and “-” grades will be awarded according to the following example: B+ (87-89%), B (83-86%), B- (80-82%).

Course Structure and Expectations

- Prior to class, students will complete the required reading.
- Students will meet three times week to discuss the reading and exercises.
- Students will submit clear, rigorous solutions to homework assignments. Collaboration is encouraged, but each student must submit his/her own solutions.
- With guidance from the instructor, each student will select two or three ideas from the text for short in-class presentations.
- Each student will select a different advanced topic to explore individually. The results of this exploration will be reflected in detail as a written report and presented as a conference-style talk at the Doane Symposium in Undergraduate Mathematics and the Nebraska Wesleyan Student Symposium.

Assignments

Participation	1 point total
Presentations	1 point each (probably 2 or 3 presentations)
Homework	1 point each (probably 3 or 4 homeworks)
Paper	3 points
Presentation	3 points

Accommodations

Nebraska Wesleyan University seeks to maintain a supportive academic environment for students with disabilities. To ensure their equal access to all educational programs, activities, and services, federal law requires that students with disabilities notify the university, provide documentation, and request reasonable accommodations. If you need accommodation in this course, please notify me so that I can verify that the required documentation is filed with the Academic Affairs Office and that your accommodation plan is in place. You should also meet with Prof. Sandy McBride, the Services for Students with Disabilities Coordinator (Old Main 126, 465-2346, smcbride@nebrwesleyan.edu).

Academic Integrity

Academic integrity is one of the basic principles of a university community. Nebraska Wesleyan University encourages and expects the highest standards of academic honesty from all students. The Student Code of Conduct states that “cheating, plagiarism, or other forms of academic dishonesty” are subject to disciplinary action. Refer to the Student Code of Conduct for additional information. Academically dishonest students may receive penalties up to and including receiving an F in the course.