# MTH 578 — Combinatorics I
## Fall 2016

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| Instructor: | Ben Salisbury, Assistant Professor |
| Website: | http://people.cst.cmich.edu/salis1bt |
| Email: | ben DOT salisbury AT cmich DOT edu |
| Office: | Pearce 206H |
| Office Hours: | Mondays 11am-12:50pm, Thursday 2-2:50pm, and by appointment |

**Meeting Times.** TuTh 11:00am–12:15pm in Pearce 108.

**Course Text.** Richard A. Brualdi, *Introductory Combinatorics*, Fifth edition, Prentice Hall, 2010.

**Course Description.** The bulletin description of the course is: *Introduction to the basic principles of combinatorics and graph theory with applications to problems of nonmathematical origin.* We will attempt to cover every chapter in Brualdi's book.

**Homework.** Homework will be assigned on a weekly basis. Each assignment will have a collection of problems, from the course text and possibly from elsewhere. However, on each assignment, only one problem will be selected to be graded (and the same problem will be selected for each student on a given assignment). Since this problem will be chosen at random, all exercises should be completed. Late homework will *not* be accepted. Completion of the homework using LaTeX is *strongly encouraged*!!!! A LaTeX template for the homework will be posted on BlackBoard when each set is assigned.

**Exams.** There will only be two exams: the midterm exam (at the halfway point in the semester) and the final exam. Absolutely no make-up exams will be given without prior permission of the instructor. Validity of excuses is determined by the instructor. If an emergency happened on an exam day, a notice within 24 hours is required in order to make up the missed exam. No technology, besides a writing utensil, is allowed during the exam.

**Grading Scheme.**

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| Homework | Weekly assignments | 50% |
| Midterm Exam | October 20, 2016, 11:00am–12:15pm | 20% |
| Final Exam | December 15, 2016, 10:00am–11:50am | 30% |