Math 4473 - Combinatorics Independent Study Fall 2018

Instructor: Dr. David Leach
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Learning Outcomes:
1. An understanding of permutations, combinations. (L7, L10)
2. A thorough understanding of the Pigeonhole Principle. (L2)
3. An understanding of the Binomial Coefficients. (L5, L10)
4. The ability to use Inclusion-Exclusion in applications (L9, L10)
5. A thorough introduction to the theory of recurrence and generating functions. (L7, L9)
6. An introduction to graph theory. (L7, L10)

Reading and Practice Problems: Each week you will be given a reading assignment from the textbook and a set of ungraded homework problems for practice.

Graded Assignments: Graded assignments will be due approximately every other week. They will vary in length and number of points. They will be added together and scaled into an assignment average out of a possible 200 points.

Tests: We will have four tests throughout the semester, each worth 100 points.

Grade Calculation: Your course average will be computed by adding your assignment average and three best test scores together, and dividing by 5. A letter grade will be assigned according to the standard scale (90-100: A, 80-89: B, 70-79: C, 60-69: D, 0-59: F).

Other Course Policies: Other course policies, including information regarding students with disabilities and the UWG Honor Code can be found at the URL below. You should read this at the beginning of each semester.

https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php