Math228-02, Discrete Mathematics, Fall 2015

Instructor: Han Li (Assistant Professor of Mathematics, hli03@wesleyan.edu)

Office: Exley 639, Telephone 860-685-3221

Course Meetings: Tuesdays and Thursdays 1:10pm-2:30pm in Exley 137.

Office hours: Monday & Tuesday 9am-10am, or by appointment

Textbook: Mathematics: A Discrete Introduction (3rd ed.) by Edward R. Scheinerman

Course Description and Prerequisite: (copied from WesMaps)
This course is an introduction to discrete mathematical processes. Topics will include proof techniques (such as proof by induction, proof by contradiction, etc.), logic, set theory, counting, number theory and algebra, among others. Students entering this course should have mastery of college-level mathematics, e.g., a full year of calculus.

TA: Yael Davidov (ydavidov@wesleyan.edu)

Recitation: Wednesdays (from Sep.16) 7:00-8:30pm in Exley 109

Getting Extra Help: [http://www.wesleyan.edu/mathcs/math/math_workshop.html](http://www.wesleyan.edu/mathcs/math/math_workshop.html)

Grading Policy:
Homework will be assigned in Moodle and collected in class on Sep.17 & Sep.24 & Oct.1 & Oct.8 & Oct.15 & Oct.22 & Nov.3 & Nov.12 & Nov.19 & Dec.8. Each homework set counts 4 points, and the two lowest grades will be dropped. So the homework counts $4 \times 8 = 32$ points in total.

Two midterms will be given in class on Oct.29 & Dec.3 counting 20 points each. Please note that the last day to withdraw from full semester classes is Friday, December 04, 2015 according to [http://www.wesleyan.edu/acaf/calendars/](http://www.wesleyan.edu/acaf/calendars/) The final exam counts 28 points. The time and location will be announced later. You will be graded out of a total of $32 + 20 + 20 + 28 = 100$ points.

The first (second) midterm is related to the materials discussed in class during Sep.7-Oct.15 (Oct.20-Nov.24). The final exam covers the entire course. If you have a conflict with an exam time, please let the instructor know at least one week in advance so that we can arrange a make up exam.

To receive a letter grade A-, A, A+ in this course your total points should be either between 85-100 or ranked among the top 40% in class; to receive a grade B-, B, B+ your total points
should be either between 70-84.9 or ranked among the next 35% in class; to receive a grade C-, C, C+ your total points should be either between 60-69.9 or ranked among the next 10% in class; to receive a grade D-, D, D+ your total points should be either between 50-59.9 or ranked among the next 5% in class; An F, E-, E or E+ will be given if none of the above is met.

Homework Policy:
You can discuss homework problems with anyone, but all written work you submit in this course must be your own. (You should always first think independently before discussing the problems sets with others.) Copying homework from someone else or from any other source is cheating and will be dealt with severely.

Problem sets should be neat, clear and **STAPLED**; and must also include a cover sheet with ONLY your name printed so that when problem sets are collected and returned in class your work will be kept private. **No late homework will be accepted.**

Students with Disabilities:
Wesleyan University is committed to ensuring that all qualified students with disabilities are afforded an equal opportunity to participate in and benefit from its programs and services. To receive accommodations, a student must have a documented disability as defined by Section 504 of the Rehabilitation Act of 1973 and the ADA Amendments Act of 2008, and provide documentation of the disability. Since accommodations may require early planning and generally are not provided retroactively, please contact Disability Resources as soon as possible. If you believe that you need accommodations for a disability, please contact Dean Patey in Disability Resources, located in North College, Room 021, or call (860)685-5581 for an appointment to discuss your needs and the process for requesting accommodations.

Attendance:
You are required to attend every lecture and are responsible to keep informed of any announcements, syllabus changes, homework adjustments, or policy changes that are made during scheduled classes.