

Syllabus

CMSC 250: Discrete Structures

Summer 2012

Instructor Information	Dr. Jandelyn (Jan) Plane		Tom Chan	
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	Office: A.V.Williams 1113		Office: A.V.Williams 1112	
	Office Hours: Monday-Friday 8am - 9am Office Hours are Also Available by Appointment		Office Hours: Tues and Thurs 12:30-2:00 Office Hours are Also Available by Appointment	
Lecture & Lab Sections		May 29 - July 20, 2012 (except for Wednesday, July 4)		
		Days	Times	Location
		Mon, Tues, Wed, Thurs, Fri	9:30-10:50	CSI 1122

Text: Recommended (not required): *Discrete Mathematics with Applications* Fourth Edition by Susanna Epp, 2011.

ISBN 0-495-39132-8 or 978-0-495-39132-6 (any other edition is fine as a reference)

Grading:

- Homework: 14%
- Quizzes: 17%
- 3 Midterms: 14% each (42% total)
- Final: 27%

Excused Absence and Academic Accommodations

Any student who needs to be excused for an absence from a single quiz or lab exercise due to a medically necessitated absence shall:

- Within 24 hours of the missed assessment, the student must inform the instructor of the missed assessment by using email. Each note must contain an acknowledgment by the student that the information provided is true and correct. Providing false information to University staff is prohibited under Part 9(h) of the Code of Student Conduct (V-1.00(B) University of Maryland Code of Student Conduct) and may result in disciplinary action.
- The student is responsible for following up with the instructor and/or the TA to make sure they have all information missed from that day.

This self-documentation may not be used for any Major Scheduled Grading Events, defined below, and it may only be used for only 1 quiz and for 1 homework exercise during the entire semester. Any student who needs to be excused for a prolonged absence (2 or more consecutive class meetings), for additional quizzes or homework exercises, or for a Major Scheduled Grading Event, must provide written documentation of the illness from the Health Center or from an outside health care provider. This documentation must verify dates of treatment and indicate the timeframe that the student was unable to meet academic responsibilities. In addition, it must contain the name and phone number of the medical service provider to be used if verification is needed. No diagnostic information will ever be requested. This documentation must be given to the instructor within a week of the student's return to classes.

In the event of a missed quiz (either for the self-documented single missed quiz or for the documented type), the grade will be calculated as the average of the other quizzes. In other words the quiz average will be calculated as if there was no quiz that day. No homework assignments will be excused - extensions in the due date are possible only if the illness was for a significant amount of time during the work time for that assignment.

The Major Scheduled Grading Events for this course include:

1. Exam #1 - Friday, June 8 during your lecture period
2. Exam #2 - Friday, June 22 during your lecture period
3. Exam #3 - Friday, July 6 during your lecture period
4. Final Exam - Friday, July 20 during your lecture period

At the time the instructor is informed about the missed assessment, arrangements can be made for that Major scheduled Event. It is also the student's responsibility to inform the instructor of any intended absences from exams for religious observances at least one week in advance.

WebPage, Posting, Homework, Quizzes and Worksheets

Class Webpage: The class webpage will be located at <http://www.cs.umd.edu/class/summer2012/cmsc250> which will contain a link to our class space on piazza.com where most announcements and on-line communication will take place. You will be expected to visit the piazza space regularly for updates on course information such as additional course content, changes in homework, quiz and exam dates and communication about course content.

Homework: Homework is due at the beginning of the class period on the date given on the homework assignment. (In the beginning means that it must be turned in within the first 10 minutes). Submitting it any later in the period without valid documentation will result in 30% deduction for that homework. Submitting it after class without valid documentation will result in a 100% deduction for that homework. You must work alone on your homework, and homework answers must be written legibly, single-sided on your own paper with the answers clearly labeled and in sequential order as assigned (read further rules on homework description). You must put your name, your university ID in the upper right-hand corner of the first page of your homework answers. If you have multiple pages, staple them together, and be sure that your name is on every sheet.

Quizzes: Quizzes will be given periodically during the semester. They may be announced and they may be unannounced. The quiz will never cover the material presented in the immediately previous class meeting, but you must always be prepared for a quiz on previous material. Makeup quizzes will not be given, but according to the rules described above, your quiz grade will be calculated using only your other quizzes.

Worksheets: Worksheets will be done during the discussion section on selected days. These worksheets are an in-class exercise and will not be collected, graded, or available at other times.

1. *Chapter 1-3.* Propositional Logic and Predicate Calculus . (approx. 2 weeks)
2. *Chapter 4.* Elementary Number Theory & Proof Methods. (approx 1 weeks)
3. *Chapter 5.* Sequences, Mathematical Induction and Recursion. (approx. 1 weeks)
4. *Chapter 6.* Set Theory. (approx. 1 week)
5. *Chapter 7-8.* Functions and Relations. (approx. 1 weeks)
6. *Chapter 9.* Counting and Probability (approx. 1 week)
7. *Chapter 10.* Graph Theory Introduction. (optional)