

# MATH 220-01 – Fall 2013

## Discrete Mathematics

Instructor: Jack Calcut  
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Class: MWF 9–9:50 in King 241  
 Office Hours: M 11–12, T 10–11, F 11–12,  
 and by appointment.

### Course Description

An introduction to a wide variety of mathematical ideas and techniques that do not involve calculus. Topics such as graph theory, combinatorics, difference equations, elementary number theory, recursion, mathematical induction and logic.

### Prerequisites

MATH 133 (Calculus I).

### Textbooks (required)

*Discrete Mathematics: Proof Techniques and Mathematical Structures*, R. C. Penner, World Scientific, 1999, 467 pages.

### Grading

Grades will be given based on the following scale and your overall percentage in the course.

Letter	A	A-	B+	B	B-	C+	C	C-	D	F	W
Point	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.0	0.0	0.0
%	[93, 100]	[90, 93)	[87, 90)	[83, 87)	[80, 83)	[77, 80)	[73, 77)	[70, 73)	[60, 70)	[0, 60)	

If the course is taken Pass/No Pass, then  $\geq C-$  is considered passing and is given the grade Pass (P); work  $< C-$  is considered not passing and is given the grade No Pass (NP).

- 40% Homework** Homework will be assigned approximately weekly on Blackboard. Homework must be written up neatly with multiple pages stapled. Students are encouraged to work together to learn the material, but each student must independently write up his/her own solutions. Homework is a major part of the course. No late homework will be accepted.
- 10% Quizzes** Given weekly and unannounced in lecture. No quizzes during exam weeks. The lowest score is dropped. No makeup quizzes.
- 30% Midterm Exams** 15% each. Friday, October 4 and Wednesday, November 13 in class. No electronic devices, notes, or books are allowed on exams.
- 20% Final Exam** Tuesday, December 17, 2–4 p.m. No electronic devices, notes, or books are allowed on exams.

### Disabilities

The college will make reasonable accommodations for persons with documented disabilities. Students should notify the Office of Disability Services located in Peters G-27/G-28 and their instructor of any disability related needs within the first two weeks of class.

## **Honor Code**

The College requires that students sign an Honor Code for all assignments. This pledge (which is written out on each assignment) states: "I affirm that I have adhered to the Honor Code in this assignment." For further information, see the student Honor Code, which you can access via [Blackboard>Lookup/Directories>Honor Code](#).

## **Important Dates**

- First day of classes: Tuesday, September 3.
- Add/drop deadline: Thursday, September 12.
- Midterm Exam I: Friday, October 4 in class.
- Fall recess: Saturday, October 19 – Sunday, October 27.
- Midterm grades available via PRESTO: Thursday, October 31.
- Last day to declare P/NP or to withdraw: Tuesday, November 5.
- Midterm Exam II: Wednesday, November 13 in class.
- Thanksgiving break: Thursday, November 28 – Sunday, December 1.
- Last day of classes: Thursday, December 12.
- Final Exam: Tuesday, December 17, 2–4 p.m.