Math 314, Section 2, Spring 2017

Announcements

Class is over! I hope you enjoyed it!

A reminder that your final homework discussion is held in my office, not the help rooms.

Schedule

	Monday	**Wednesday**	**Friday**
Week 1 (1-16)	NO CLASS	Intro, 1.1, 1.2	1.2, 1.3
Week 2 (1-23)	Ch. 1, Ch 1. Group Work	2.0, 2.2	2.1, 2.3
Week 3 (1-30)	2.4, 2.5	3.1, 3.2, 3.3, 3.4, 3.5	3.5, 3.6, 3.7, 3.8
Week 4 (2-06)	Ch 3. Group Work	4.1, 4.2	4.3, 4.2
Week 5 (2-13)	Chapter 5	6.1, 6.2, 6,3	6.4, 6.7, 6.8
Week 6 (2-20)	6.5, 6.6, 6.8	6.8, 6.9, 6.10	REVIEW
Week 7 (2-27)	EXAM 1 (in class)	7.1, 7.2	NO CLASS
Week 8 (3-06)	NO CLASS	7.2, 7.3	Ch 7. Group Work
Week 9 (3-13)	8.1, 8.2, 8.3	NO CLASS (SNOW)	8.3, 8.4
Week 10 (3-20)	8.5, Ch 8. Group Work	9.1, 9.2	Ch 9. Group Work
Week 11 (3-27)	10.1, 10.2, 10.3	10.4, Supplementary	12.1, 12.2
Week 12 (4-03)	12.2, 12.3	Ch 12. Group Work	NO CLASS
	SPRING BREAK	SPRING BREAK	SPRING BREAK
Week 13 (4-17)	SPRING BREAK	13.1, 13.2, 13.3	13.4, 14.1
Week 14 (4-24)	Ch 13. Group Work	REVIEW	EXAM 2 (in class)
Week 15 (5-01)	14.1, 14.2	14.3, 14.4	NOTE 14.6, Chapter 15

NOTE: Class on Thursday, May 4th: 14.5, Ch 14. Group Work

Tentative Future Schedule

	Monday	**Wednesday**	**Friday**
Week 16 (5-08)	FINAL EXAM REVIEW	NO CLASS	FINAL EXAM 3:15-5:15 PM

Homework Assignments

I. In addition to the 5 problems out of the book (the last of which is optional), I have assigned the following problem: *You live at the southwest corner of a 10 by 7 block grid. Your school is at the northeast corner. How many ways are there to walk to school, provided every block walked is either north or east?*
II. NOTES: On 17, there is a part after the formula; don't forget it! On 20, more than one may be true (“Which of the following is true” does not mean “Which ONE of the following”)

III. Solutions

1. This homework was given on a handout in class. If you were not in class, you are not eligible to turn it in.
   I. Assignment
   II. Solutions
2. This homework has multiple parts:
   I. This is the assignment. In addition to turning in solutions to the assigned problems, make sure you grade and turn in the quiz you were given. Additional information about this can be found as problem 3.
   II. Solutions
3. This homework was given all at once:
   I. Assignment
   II. HINT FOR #1: If you use the formula for the Fibonacci numbers and the formula for the Lucas numbers given in class, you don't need induction.
   III. Typo in book! On 5.4.4. c) and d): the set is X, not S.
   IV. Solutions
4. This homework has multiple parts:
   I. Here is the assignment.
   II. Solutions
5. This homework was given all at once:
   I. Assignment
   II. Solutions (I may update this later with the solution to the optional problem)
6. Homework 7 was given all at once:
   I. Assignment
   II. Solutions (I may update this later with the solution to the optional problem)
7. The Last HW

Quizzes

- Here is the quiz from 02/06: Quiz 1.
  - Solutions: a) False b) True c) False d) False e) False f) False g) True
- Here is the quiz from 03/10: Quiz 3.
- Here is the quiz from 03/24: Quiz 4.
- Here is the quiz from 04/05: Quiz 5.
- Here is the quiz from 04/24: Quiz 6.
- Here is the quiz from 05/04: Quiz 7.

Exams

- Here is a review for Exam 1.
- Exam 1 solutions can be found here.

- Here is a review for Exam 2.
- Exam 2 solutions can be found here.

Homework Policy

Here are the directions for formatting your homework.

Syllabus

Here is the course syllabus.

Misc

Here is a link to planarity, one of several graph-theoretic games mentioned in class.

Here are some iPhone games and an app that are essentially just graph theory (ask if you want more suggestions): rop Linkish LYNE iCross

An interesting video about the field of mathematics.

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