

MATH 821, SPRING 2013

Math 821 is a graduate combinatorics course. In this offering we will discuss, generating functions and a bit of asymptotic analysis, combinatorial Hopf algebras, and integer partitions.

WHO, WHEN, AND WHERE

Lectures: 10:30-12:20 Tuesdays and Thursdays, in the PIMS seminar room, TASC2 8500, except for Feb 26 and Mar 5 which are in K9509.

Instructor: Karen Yeats, karen_yeats@sfu.ca

Office Hours: 10:00-10:20 and 3:30-4:20 Tuesdays; 10:00-10:20 and 1:30-2:20 Thursdays in SC K 10508

Website: <http://people.math.sfu.ca/~kyeats/teaching/math821.html>

Textbook: None

Please ask questions, in lecture, office hours, by email, or any time you see me around.

EVALUATION

The grade breakdown is

40% assignments

10% scribing

50% final project (written project and presentation)

Assignments will be approximately biweekly, and must be handed in, in class, on the day they're due. If the due date will ever be a problem for any reason you **must** contact me before the due date (email is fine). There are **no retroactive lates**.

The class will produce typed notes of the lectures which will be posted on the website. This scribing duty will rotate; unless there is a sudden change in enrolment everyone can expect to be required to scribe 2 or 3 lectures over the course of the semester.

The written project should be approximately 6-10 pages and will be graded on clarity, presentation, and language; and mathematical content and correctness. It is due on **the last day of class**. **Cite your sources** and **don't copy**.

The project presentation will be graded on clarity and interest, communication of core ideas, and mathematical correctness. The presentation should be 20 minutes with a few minutes of questions following. You may use any medium I can readily provide. The deadline is **the last day of class**, but note that I can't fit everyone into the last day.

RESPONSIBILITY

Difficulties may crop up over the course of the semester. Part of being an adult is to not wait until it is too late to solve them. Please contact me as soon as possible if a problem seems to be brewing.

It is also your responsibility to be aware of the university policies concerning academic dishonesty. In particular, you must credit any sources you use whether animate or inanimate

and hand in your own work. The **minimum penalty** for dishonesty is 0 on that piece of work (eg midterm, assignment, etc.). Stronger action may be taken. You may work together on assignments but you must hand in work which you did yourself and which you can explain and justify if asked; credit what help you receive.