

# PMAT 2320 – Fall 2001

## Discrete Mathematics

### Instructor

- Name: Dr. David Pike
- Office: Henrietta Harvey Building – Room 3021
- Phone: 737-8096
- Email: [dapike@math.mun.ca](mailto:dapike@math.mun.ca)
- Office Hours: 2–3 on Monday, Wednesday and Friday, 10–11 on Thursday, or by appointment

### Course Info

- Location: Science Building – Room 2101
- Class Times: 11–12 on Monday, Wednesday and Friday
- Prerequisite: MATH 1001 or MATH 2050.
- Textbook: “Discrete Mathematics with Graph Theory” by Goodaire and Parmenter, second edition

### Course Outline

- Chapter 1 Proofs
- Chapter 2 Sets and Relations
- Chapter 3 Functions
- Chapter 4 The Integers
- Chapter 5 Induction and Recursion
- Chapter 6 Principles of Counting
- Chapter 7 Permutations and Combinations

Time permitting, additional material will be covered.

### Method of Evaluation and Related Policies

- Assignments will be due at the time and date announced when distributed. Assignments can be submitted to the designated assignment box in the corridor near the Math & Stats General Office. Late assignments will not be accepted.
- Plagiarism, cheating, and academic dishonesty will not be tolerated.
- Quizzes and/or tests will be regularly administered (I expect that we will have two or three tests). Crib sheets will not allowed. Expect to have your photo-id checked.

Make-up quizzes and tests will be given only for legitimate absences, and only if the request for a make-up is brought to my attention no later than the day that you next attend class; otherwise, a score of zero will be assigned for any missed quizzes and/or tests. I reserve the right to require documentation supporting the absence.

- The final exam will be comprehensive.

- Final grades will be based upon the following scheme

Homework:	30
Quizzes and/or Tests:	30
Final Exam:	40
	<hr/>
	100

- Requests for “extra-credit” projects will be denied. Put simply, your grade will be based upon the required course-work as indicated in this syllabus.

## If You’re Thinking of Majoring in Math...

... but aren’t sure what career options would be available with a Math degree, then here are some resources that you can look at:

- “101 Careers in Mathematics” by Andrew Sterrett. Call Number: QA 10.5.A15 1996
- “She Does Math!” by Marla Parker. Call Number: QA 27.5.S53 1995
- [www.ams.org/careers/](http://www.ams.org/careers/)
- [www.maa.org/careers/index.html](http://www.maa.org/careers/index.html)

And if you want to talk to somebody for academic advice concerning programmes of study in Mathematics, you can see Harold Johnson in the Henrietta Harvey Building, Room 3004.

Also, the Department of Mathematics and Statistics publishes an Undergraduate Guide to its courses and programmes of study. If you don’t already have one, pick one up from Harold Johnson.