# PMAT 2320 – Fall 2000

## Discrete Mathematics

## Instructor


- Name: Dr. David Pike
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- 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

## Course Outline

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|---|---|
| Chapter 0 | Proofs |
| Chapter 1 | Sets and Relations |
| Chapter 2 | Functions |
| Chapter 3 | The Integers |
| Chapter 4 | Induction and Recursion |
| Chapter 5 | Principles of Counting |
| Chapter 6 | 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 be penalised 25% for each school day by which they are turned in late.

- 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. Photo-id will be checked during at least one test.

  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 |
| | 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/`
- `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.