

MATH 2320 – Winter 2021

Discrete Mathematics

Instructor

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Course Info

- Lectures: Instead of having interactive lectures at our scheduled class time, lectures will be recorded and made available through the D2L shell for the course.
- Office Hours: 10:00–10:50 on Monday and Wednesday via the Webex link in the D2L shell, beginning on January 13th.
NB: If nobody shows within the first few minutes, I won't stick around.
Contact me privately if you wish to book an appointment at some other time.
- Prerequisite: MATH 1001 or MATH 2050
- Textbook: “Discrete Mathematics with Graph Theory” by Goodaire and Parmenter, third edition

Course Outline

- Chapter 0 Proofs
- Chapter 1 Logic
- 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

Method of Evaluation and Related Policies

- Assignments will be due at the time and date announced when distributed. Assignments should be submitted online through the D2L shell for the course. Please use a cover page that states on which page each answer is to be found. It is recommended that each answer start on a new page.
Late assignments will not be accepted and will receive a grade of zero.
Because of the pandemic, the two assignments on which you have the lowest percentage score will be omitted from the calculation of your final grade.
- Plagiarism, cheating, and academic dishonesty will not be tolerated. The minimum penalty for any form of cheating on an assignment, test, etc. will be a grade of zero for the corresponding assignment, test, etc. See University Regulation 6.12 for more information about the university's policies regarding academic misconduct.

- It shouldn't need to be said, but inevitably somebody puts me through this test: on homework, quizzes, tests, etc., I expect you to show your work. Simply stating the ultimate answer (even if it is correct) will rarely get you full credit; the work behind your answer is usually given more credit than the answer itself. In short, your job is to *show* that you know *how* to do the exercises.

Moreover, your work should reflect clear content as well as coherent reasoning and organised structure. Part of what this means is that your work should be clear to follow and should show a logical progression of thought. Arguments that wander around the point, or which include extraneous and/or irrelevant side details, are inferior to arguments that do not go astray at times. Likewise, if you have to guide me through your work in order to point out your thought process (again, even if you got the correct answer in the end), then you should not expect to get full credit.

- Be aware that not all learning takes place in the classroom. Expect to devote personal time to ensure that you fully comprehend and understand the material. This will likely entail reading from the textbook, consulting with additional resources, engaging in interactive discussions, as well as doing exercises beyond those which are assigned.
- Due to the pandemic, there will be no quizzes or midterm exams for this course.
- This course will have a remotely proctored final examination. If supervision of your exam is interrupted or questions about your behaviour during the exam need to be resolved, at the discretion of the instructor and/or Head of department, a secondary exam may be required. The format of the secondary exam will be decided by the instructor in consultation with the Head of department.
- The final exam will be comprehensive.
- Final course grades will be based upon the following scheme

Homework:	40
Final Exam:	60
	100

Notwithstanding the above formula, a score of at least 50% must be achieved on the final exam in order to pass the course.

- 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.
- Supplementary exams will not be available.

If You're Thinking of Majoring in Math

If you want to talk to somebody for academic advice concerning undergraduate programmes of study in Mathematics, you can see Tara Stuckless in the Henrietta Harvey Building, Room 3004 (email: mathugrad@mun.ca). Also, the Department of Mathematics and Statistics has information about its courses and programmes of study, located at: www.mun.ca/math/undergraduate/ugrad-msprograms