

MAC 101-D200: Discrete Math I

(Spring 2015)

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Office hours:

Monday, Friday 12:30-2:00

and by appointment

This course is an introduction to discrete mathematics. It introduces methods of reasoning used in mathematics and computing science. This course is more theoretical.

Learning resources:

- **Prerequisites:** BC High School Math 12, or MATH100

- **Course Text:** *Book of Proof*, by Richard Hammock.

An website of the text is maintained by the author. (url: www.people.vcu.edu/~rhammack/BookOfProof)

- **Supplementary materials:** The following two reference books are kept in the Library Reserve:

1. *Discrete and Combinatorial Mathematics (an Applied Introduction)*, by Ralph P. Grimaldi
2. *Discrete Mathematics and Its Applications*, by K.H. Rosen

Some sections of these books on certain topics (not covered well in the course text) will be assigned for further reading.

- **Course webpage:** www.cs.sfu.ca/~binay/2015/macm101/D2

Please refer to this page regularly for information related to the course.

- **Course Outline:** This is available at
<https://portal.cs.sfu.ca/portal/outlines/1151-MACM-101-D200/>

- **Tutorials:**

TUT D201	We	1:30-2:20	AQ5006
TUT D202	We	2:30-3:20	AQ5006
TUT D203	Tu	3:30-4:20	AQ5008
TUT D204	We	9:30-10:20	RCB6101
TUT D205	We	11:30-12:20	RCB6101
TUT D206	We	12:30-1:20	AQ5006

- **Participation:** Participation means your overall involvement in the course. Active participation may include regular attendance of the classes and tutorials, working lots of exercises, taking advantage of the office hours, intellectual curiosity etc.
- **Quiz:** There will be 5 to 6 quizzes over the entire semester. Each quiz will be about 30 minutes long. All quiz tests will be given during the tutorials. It is closed-book and closed-notes. A list of practice questions relevant to the quiz will be handed out about a week prior to the quiz. Some of these problems will be discussed in the tutorials as well. You can expect some similar questions in the quiz.
- **Midterm Exam:** Midterm test will be given at the end of February. It will cover all the materials discussed in the class till that point.
- **Final Exam** The final exam will cover all materials discussed in the class. It is closed-book and closed-notes.
- **Grading:** Your final average will be computed as follows:
 1. Participation: 10%
 2. Quizzes: 25%
 3. Midterm: 15%
 4. Final: 50%
- **Make-up Work:** I do not give make-up tests. I will drop your lowest quiz grade.

- **Office:** Please feel free to stop by my office whenever you have a question, particularly, if you are having trouble. Catching up can be very difficult once you get behind.
- **Exercises:** You should work as many exercises as possible for practice. Answers or hints are provided for the odd-numbered questions in the text. Some of these questions will be used for the tests and the final exam. If you have doubts solving any problem, talk to the TA or the instructor.