

## Stats 1L03 Course Outline

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### Course Information

#### Instructors

Dr. [Aaron Childs](#) (office BSB-113)

**Office Hours:** Tuesday, Wednesday and Friday 10:30-11:20, Thursday 9:30-10:20

**Extension:** 23426

**email:** [childsa@mcmaster.ca](mailto:childsa@mcmaster.ca)

**Web Site:** <http://icarus.math.mcmaster.ca/childsa/childs.html>

Dr. Doug Park (office BSB-222)

**Office Hours:** Monday 4:30-5:20 and Tuesday 6:30-7:30

**Extension:** 27079

**email:** [parkd@math.mcmaster.ca](mailto:parkd@math.mcmaster.ca)

#### Lectures

- Day Section (Dr. Childs): TSH/B105 on Tuesday, Wednesday and Friday 12:30-1:20
- Evening Section (Dr. Park): BSB/B117 on Mondays 6:30-9:30.

## Tutorials

### Day Section:

- Tutorial 1 - Friday 2:30-3:20 in DC/150
- Tutorial 2 - Friday 11:30-12:20 in DC/144
- Tutorial 3 - Friday 3:30-4:20 in DC/150
- Tutorial 4 - Thursday 11:30-12:20 in DC/144
- Tutorial 5 - Thursday 2:30-3:20 in JHE/210

### Evening Section:

- Monday 5:30-6:20 in BSB/B116

## Textbook

(Required) "Finite Mathematics" Fourth Edition, by Maki and Thompson, McGraw-Hill, 1996.

(Required) Stats 1L03 Custom Courseware

(Optional) Student Solutions Manual for Finite Mathematics, Fourth Edition

## Material to be Covered

- Sets, Partitions, and Tree Diagrams (Chapter 1).
- Probabilities, Counting, and Equally Likely Outcomes (Chapter 2).
- Probability (Chapter 3).
- Random Variables, Averages, and Statistics (Chapter 4).
- Negative Binomial, Hypergeometric, and Poisson Distributions (Custom Courseware).
- Systems of Linear Equations (Chapter 5).
- Matrix Algebra and Applications (Chapter 6).
- Determinants and Cramer's Rule (Custom Courseware).

## Homework Assignments

- There will be six [assignments](#)
- Late assignments will **NEVER** be accepted
- Make sure to write your name (clearly!), your student number and your tutorial number on each assignment.
- You are required to write well-organized and readable solutions.
- For due dates and times refer to the [calendar](#) or the [assignment page](#).

## Library

Copies of solutions to assignments and tests will be available at the reserve desk in Thode Library. There is also a copy of the textbook, custom courseware, and solutions manual on reserve.

## Tests

- There will be two one-hour tests.

- Details (e.g., material the test will cover, exam locations, etc.) will be given in class.
- McMaster standard calculator Casio fx-991 is allowed.
- For test dates and times, refer to the [calendar](#).
- It is essential that you bring your McMaster ID card to both tests.
- All necessary tables will be provided with the test paper.

## Final Examination

- As scheduled by the Registrar.
- Details (e.g., material the final exam will cover, final examination locations, etc.) will be given in class.
- McMaster standard calculator Casio fx-991 is allowed.
- It is essential that you bring your McMaster ID card to the final exam.

## Course Evaluation

Homework	10%
Test #1	20%
Test #2	20%
Final Exam	50%

**Note:** If assignments or tests are missed because of a family matter or illness you should contact your Associate Dean as soon as possible with the appropriate documentation. If the instructor is informed officially by the Associate Dean, then an exemption will be given for the missed work.

## In case of Difficulty/Problems

- Contact your instructor as soon as possible. Failing that, contact the Associate Dean's Office in GS-116.
- If you have concerns about preparing for tests and examinations, improving your study habits, giving class presentations, or mastering English as a second language, the [Centre for Student Development](#) can help.

## Senate Policy Statements

- Your attention is drawn to the following documents:  
[Statement on Academic Ethics](#)  
[Senate Resolutions on Academic Dishonesty](#)
- Any student who infringes one of these resolutions will be treated according to the published policy.

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## Calendar

**Thursday January 6:** Classes Start.

**BLOCK 1:** January 7-19

**Sections:** 1.1, 1.2, 1.3, 1.4, 2.1, 2.2

**Assignment #1** - Due Date: 6:30 PM on Monday January 24

**BLOCK 2:** January 21 - February 2

**Sections:** 2.3, 2.4, 3.1, 3.2, 3.3

**Assignment #2** - Due Date: 6:30 PM on Monday February 7

**MIDTERM #1:** Monday, February 14, 6:30-7:30 PM in CNH 104.

**BLOCK 3:** February 4-16

**Sections:** 3.4,3.5,4.1,4.2

**Assignment #3** - Due Date: 6:30 PM on Monday February 28

**BLOCK 4:** February 18 - March 8

**Sections:** 4.3, Sections 1-3 in the Custom Courseware.

**Assignment #4** - Due Date: 6:30 PM on Monday March 13

**Midterm #2:** Monday March 20, 6:30-7:30 PM in CNH 104.

**BLOCK 5:** March 10-22

**Sections:** 5.2, 5.3, 6.1

**Assignment #5** - Due Date: 6:30 PM on Monday March 27

**BLOCK 6:** March 24 - April 5

**Sections:** 6.2, Sections 1,2 on Determinants from the Custom Courseware

**Assignment #6** - Due Date: 6:30 PM on Monday April 10

**Final Exam:** To be Announced

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