

# Statistics 1L03 - Fall 2017 Course Outline

*Updated Sept 4, 2017*

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## Instructors:

Section:	Lecturer:	Office	Phone Ex.	E-Mail:
C01	C. McLean	BSB basment, B124	20142	<a href="mailto:mcleac3@mcmaster.ca">mcleac3@mcmaster.ca</a>

## Contacting the Instructor:

E-mails are the preferred method of communication. All inquiries should either be done in person after class, during the office hours, or by an e-mail with the course code in the subject line. In general, phone messages will not receive a response.

## Office Hours:

Times of all office hours will be posted on the course web page during the first full week of lectures. Specific times will be announced in-lecture and posted on the course website.

## Required Textbook:

-*Finite Mathematics & its Applications, 11th ed.*, Goldstein, Schneider & Seigel (Prentice Hall, ISBN 978-0-321-87805-2)

*(An online-only version of the textbook and solutions manual can also be purchased through the Prentice Hall website.*

## Reference (Optional) Text:

- Student Solutions Manual for the above text. (ISBN 978-0-321-87831-1)

*Note: A copy of the textbook and solutions manual are available on reserve in Thode Library*

## Objectives:

To learn basic concepts of finite mathematics especially those leading to further topics in statistics and probability.

## Topics:

Assorted topics will be covered from chapters 5, 6, 7 and 8. As well as parts of chapter two. Specifically we cover the algebra of probability, conditional probability and independence, discrete and continuous random variables, mean and variance, matrices, the solution of linear equations, and additional topics in algebra. The latter will include topics from online text sections 8.5.3 (Provided free through the course website.) See the course website for an exact topic list and lecture schedule.

## Lectures:

There will be one section with three, 50 minute lectures per week

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Section #	Lecture Day	Time	Location
C01	Mon., Wed., Thurs.	4:30-5:20pm (17:30-18:20)	MDCL 1305

## Tutorials:

There will be four tutorial sections, each has one 50 minuite session per week:

Section #	Lecture Day	Time	Location
T01	Tues.	3:30-4:20pm (15:30-16:20)	HH/302
T02	Thurs.	11:30am-12:20pm (11:30-12:20)	HH/109
T03	Fri.	9:30-10:20pm (9:30-10:20)	HH/302
T04	Tues.	3:30-4:20pm (15:30-16:20)	BSB/B135

## Math Help Centre:

Weekday afternoons there are TAs available to answer your questions and assist you in the Help Centre in Hamilton Hall. The Centre is located on the first floor (basement) of Hamilton Hall in HH/104. More information can be found at the Help Centre website:

<http://www.math.mcmaster.ca/HelpCentre/>

## Homework

### Assignments:

Approximately weekly a problem set will be assigned. These problems will be both assigned and completed through our online assignment system. Questions will be very similar to the practice problems from the chapter end questions in the course textbook, and the question types that will be appearing on your tests.

Availability, due date, and the exact assignment questions will all be posted on the course website,so please make sure you read the announcements regularly.

Note that these problem sets are MANDATORY (and excellent practice) and will be used as part of the course grade for ALL students. So do NOT forget to complete an assignment.

## Supplemental Problems:

Practice problems for each section of the course are posted on the course website. These materials pertain to the chapters covered. Note that these questions are *not* assignments, and thus will neither be asked to be handed in, nor graded. Nevertheless, it is *very important* that you at least attempt these problems as they are assigned to assist your familiarization with the course material.

## Tests:

There will be **THREE** (3) term tests, each approximately 90 minutes in length. They have **tentatively** been scheduled to take place at **7:00pm** on the dates of **Friday Sept. 29th, Friday Oct. 27th, and Friday Nov. 17th**. Please note that all tests are scheduled to be held during the evenings outside of class time. Any changes to the dates, as well as the times, locations, and test content will be announced in lecture and posted on the course website at least one week before the actual test date.

## Calculator Policy:

Only the use of the "McMaster Standard Calculator", the Casio FX991MS or Casio FX991MSplus, will be permitted on tests and examinations. **All other calculators are prohibited.**

## Final Examination:

There will be a December Final Examination. This will be a cumulative final exam, two and a half (2.5) hours in duration and covering all materials from the term.

Date, time, and location will all be available from the mcmaster registrar's office through MOSAIC in the weeks leading up to the examinations.

***Remember: You are responsible for bringing your student ID to all tests and exams.***

## Grading Scheme:

Students will be graded according to the following scheme:

~9 Online Assignments	(combined)	=	10%
Term Test #1:		=	18%
Term Test #2:		=	18%
Term Test #3		=	18%
Final Examination		=	36%
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Total		=	100%

*Note: The instructor reserves the right to change the weight of any portion of this marking scheme.*

At the end of the course the grades may be adjusted but this will be done uniformly. We will use the grade equivalence chart published in the Undergraduate Calendar to convert between percentages and letter grades.

## "Make-up" Work/Assignments:

**There are no "make-up assignments"** or similar projects available in the course. All contribution to the grades will come only from the tests, assignments, laboratories and the examination: no other sources will be considered.

## Excused Absences:

If you are absent from the university for a minor medical reason, or non-medical (personal) situations lasting fewer than 3 days, you may report your absence, **once per term**, without documentation, using the McMaster Student Absence Form.

Absences for a longer duration or for other reasons must be reported to your Faculty/Program office, with documentation, and relief from term work may not necessarily be granted.

**Please note that the MSAF may not be used for term work worth 25% or more, nor can it be used for the final examination.**

Information on the MSAF can be found at: <https://www.mcmaster.ca/msaf/index.html>

And further information regarding MSAF policies can be found at: [This Web Site](#)

When using the MSAF for this course, please report your absence immediately to Chris McLean, the course coordinator, at [mcleac3@mcmaster.ca](mailto:mcleac3@mcmaster.ca) (normally within 2 working days) to confirm the absence.

**In the event of such an absence, no make up test will be given, but your course grade will be re-weighted by increasing the weight of the final examination to compensate for the missed test.**

## **Marks and Mark Corrections:**

As the term progresses, all test marks will be posted on the course website. It is your responsibility to check for errors in the grades before the day of the final exam, and to report any discrepancies to your instructor. *No errors will be corrected unless reported by this time.*

## **In The Event of Unforeseen Circumstances:**

The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites *at least weekly* during the term and to note any changes.

## **Academic Dishonesty Policy:**

Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences. ie: The grade of zero on an assignment, loss of credit with a notation on the transcript (reads " Grade of F assigned for Academic Dishonesty "), and/or suspension or expulsion from the university.

It is your responsibility to understand what constitutes academic dishonesty. For information on the various kinds of academic dishonesty please refer to the Academic Integrity Policy, specifically Appendix 3, located at:

<http://www.mcmaster.ca/policy/Students-AcademicStudies/AcademicIntegrity.pdf>

- Plagiarism, e.g. the submission of work that is not one's own or for which other credits has been obtained.
- Improper collaboration in group work.
- Copying or using unauthorized aids in tests and examinations.