

Stats 2B03 (Winter 2016) Course Outline

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Course Home Page

- The course home page is NOT on Avenue to Learn. It is accessible from the link at the following web site:
<http://ms.mcmaster.ca/childsa/childs.html>

Labs and TA's

- Labs start on Monday January 11th
- You must bring the lab manual, as well as a USB drive with you to the labs
- Attendance is optional. If you can do the assignment/labs on your own, have access to Minitab, and do not need the help of a TA then you don't have to go to the scheduled lab times.
- Information about your TAs can be found on the [TA Information Page](#)

Lab Manual

- The lab manual is new for this year, updated for use with Minitab 17 (among other changes). Older lab manuals should not be used.
- The lab manual is required, and is available at the bookstore
- **Minitab instructions, suggested problems, and practice tests are in the lab manual**
- You must bring the lab manual with you to the labs

Software

- Minitab Release 17 (older versions should not be used)
- Minitab is available in the following campus computer labs:
 - Burke Science Building (BSB) Rooms 241, 242, 244 ,249
 - John Hodgins Engineering Building (JHE) Rooms 233, 234
 - Kenneth Taylor Hall Building (KTH) Rooms B121, B123
- Minitab can be purchased packaged together with the textbook (if you want to use Minitab at home), or you can rent it [here](#).

Textbook

- **Required:** *Biostatistics - A Foundation for Analysis in the Health Sciences*, **Eighth, Ninth, or Tenth** Edition, Daniel, Wiley. It doesn't matter which edition you use.
- **Note:** You can buy the textbook packaged together with Minitab (if you want to use Minitab at home), or you can buy just the textbook itself (and use Minitab in the campus computer labs, or [rent](#) it)
- **Optional:** Student Solutions Manual
Note: A copy of the textbook and solutions manuals are available on reserve in Thode Library. (The lab manual is NOT available on reserve in Thode.)

Section 1 (C01) Instructor Information

- **Name:** [Aaron Childs](#)
- **email:** childs@mcmaster.ca
- **Office Location:** HH/213
- **Office Hours:** Click [here](#)

Calculator and Formula Sheet Policy

- Only the McMaster Standard Calculator Casio fx-991 is allowed on the the tests and exam
- The 2 page formula sheet from the front of the lab manual will be provided with the tests and exam.

Material Covered

- All Sections given in the [course calendar](#)
- **Major Topics:** Describing data, graphical representations of data, probability, confidence intervals, hypothesis testing, one-way ANOVA, analysis of categorical data, regression and correlation

Course Evaluation

- 5 Assignment/Labs (due dates are in the [calendar](#)) - 15% (3% each)
- 2 Tests (for dates see the [calendar](#)) - 40% (20% each)
- Final exam - 45%

Notes:

- At the end of the course the grades may be adjusted, but this can only increase your grade and will be done uniformly. We will use the grade equivalence chart published in the Undergraduate Calendar to convert between percentages and letter grades.
- 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 weekly during the term and to note any changes.

Missed Work Policy

- If you are absent from the university for a minor medical reason, 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. When using the MSAF, report your absence to childs@mcmaster.ca. 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. For more information look [here](#).
- If your MSAF form was received then the word "note" will appear in place of your mark on the online system. This will show up within one week after you filled out the MSAF form. If you don't see the word "note" in place of your mark for the missed work one week after filling out the MSAF form, then send an email to [Dr. Childs](#) telling him the date that you filled out the MSAF form. If you do see the word "note" in

place of your mark, then no follow-up is required.

- The percentage for a missed test will be added to your final exam.
- The percentage for a missed lab assignment will be distributed among your remaining lab assignments.

Academic Dishonesty Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation 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> The following illustrates only three forms of academic dishonesty:

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

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