Dr. Aaron Childs

Stats 3U03 Course Outline

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Instructor

Dr. Aaron Childs (office BSB-113)
      Office Hours: Tuesday, Thursday and Friday 9:30-10:20 and Wednesday 2:30-3:20
      Extension: 23426
      email: childsa@mcmaster.ca

Lectures

JHE/A101 on Tuesday, Thursday and Friday at 8:30 AM.

Textbook

"An Introduction to Stochastic Modeling" Third Edition, by Taylor and Karlin, Academic Press, 1998.

Material to be Covered

- Conditional Probability and Conditional Expectation (Chapter 2).
- Markov Chains: Introduction (Chapter 3).
- The Long Run Behaviour of Markov Chains (Chapter 4).
- Poisson Processes (Chapter 5).
- Continuous Time Markov Chains (Chapter 6).
- Queueing Systems (10.1 and 10.2).

Homework Assignments

- There will be six assignments.
- All assignments are due at the start of class on the due date.
- 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 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.

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	20%
Test #1	20%
Test #2	20%
Final Exam	40%

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.

Calendar

Thursday September 9: Classes Start.

Thursday September 23: Due Date for Assignment #1

Thursday October 7: Due Date for Assignment #2

Thursday October 14: Midterm #1

Thursday October 21: Due Date for Assignment #3

Thursday November 4: Due Date for Assignment #4

Thursday November 11: Midterm #2.

Thursday November 18: Due date for Assignment #5

Friday December 6: Assignment #6 due by 3:00 PM.

Final Exam: As scheduled by the registrar