

MAST 397 (Sec. B)
Topics in Mathematics and Statistics
Fall 2019

Instructor: Dr. Y.P. Chaubey, Office: LB 921-25 (SGW), Phone: (514) 848-2424, Ext. 3258
Email: yogen.chaubey@concordia.ca

Office Hours: Wednesdays, 15:30-17:00.

Class Schedule: Mondays and Wednesdays, 8:45-10:00.

Topics to be covered: This course is an introduction to statistical programming and computational statistics using R programming language. Basic programming concepts such as data types, control structures, and algorithms are introduced. The course illustrates data manipulation methods, descriptive analyses, and data visualization tools. The use of linear algebra, statistical simulation, and optimization functions is also illustrated.

Final Grade: Students will be evaluated based on scores on three-four (3-4) assignments, and two projects, with the following weighting scheme:

Assignments:	15%
Midterm Project	40%
Final Project	45%

If the grading scheme for this course includes graded assignments, a reasonable and representative subset of each assignment may be graded. Students will not be told in advance which subset of the assigned problems will be marked and should therefore attempt all assigned problems.

Academic Integrity and the Academic Code of Conduct

This course is governed by Concordia University's policies on Academic Integrity and the Academic Code of Conduct as set forth in the Undergraduate Calendar and the Graduate Calendar. Students are expected to familiarize themselves with these policies and conduct themselves accordingly. "Concordia University has several resources available to students to better understand and uphold academic integrity. Concordia's website on academic integrity can be found at the following address, which also includes links to each Faculty and the School of Graduate Studies: concordia.ca/students/academic-integrity." [*Undergraduate Calendar, Sec 17.10.2*]