

Statistical Programming 2022 Statistical Science 2864B

Course Outline

Course Information

Course Number and Name	SS2864B: Statistical Programming	
Academic Term	Winter 2022	
Lecture Hours	Mon 3:30 PM-4:30 AM; Wed 3:30 PM-4:30 PM; Fri 3:30 PM-4:30	
Tutorial Hours	Thu 1:30-2:30 PM HSB 16; Thu 3:30-4:30 PM HSB 16; Thu 2:30-3:30	
	SSC-1032	
Prerequiste(s)	A minimum mark of 60% in Statistical Sciences 2857A/B (or the former Statistical Sciences 2657A/B) or a minimum mark of 70% in one of Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Biology 2244A/B, Economics 2222A/B, MOS 2242A/B, Psychology 2810; and enrollment in a module offered by the departments of Applied Mathematics; Mathematics; and Statistical and Actuarial Sciences.	
Pre- or Corequisite (s)	Statistical Sciences 2858A/B for those using Statistical Sciences 2857A to meet the prerequisites.	
Warning	Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.	

Instructor and TA Information

Instructor	Raafat Fahmy
Office	-
Email	Rfahmy2@uwo.ca
Office Hours	TBA

TA Office Email Office Hours	Braedan Walker <u>bwalke67@uwo.ca</u> TBA
TA Office Email Office Hours	Xinghan Zhu <u>xzhu325@uwo.ca</u> TBA
TA Office Email Office Hours	Zahra Aghahosseinalishirazi <u>zaghahos@uwo.ca</u> TBA

Students must use their Western (@uwo.ca) email addresses when contacting their instructors and TAs.

3. Course Course

The course will be mainly based on the lecture slides.

Textbook (for more related details)

W. John Braun and Duncan J. Murdoch (2021). A First Course in Statistical Programming with R.

Cambridge University Press. 3rd Edition

Reference books and resources:

A good adjunct resource focusing on R programming

https://rstudio-education.github.io/hopr/

(a very interesting journey of learning basics in R programming)

Official website for R:

https://www.r-project.org/

What you can do at this website:

- Composed the latest version of R from this website.
- Find the manuals from the R Development Core Team (for more detailed coding instructions):

https://cran.r-project.org/manuals.html

Methods of Evaluation

Assignments

There will be four assignments.

Midterms or Tests

There will be one in-class closed book two-hour midterm test: mid

The date and time for the three-hour final exam will be announced by the registrar's office. Students are required to wait until the final exam schedule is posted before making arrangements to travel during this time. Exams will NOT be moved to accommodate students who ignore this requirement.

Evaluation

6. Student Absences

Academic Consideration for Student Absences

Students who experience an extenuating circumstance (illness, injury or other extenuating circumstance) sufficiently significant to temporarily render them unable to meet academic requirements may submit a request for academic consideration through the following routes:

(i) Submitting a Self-Reported Absence (SRA) form provided that the conditions for submission are met. To be eligible for a Self-Reported Absence:

d during the Fall/Winter term

- SRA is applicable to undergraduate students only
- (ii) For medical absences, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner to the Academic Counselling office of their Faculty of Registration.
- (iii) Submitting appropriate documentation for non-medical absences to the Academic Counselling office in their Faculty of Registration.

Note that in all cases, students are required to contact their instructors within 24 hours of the end of the period covered, unless otherwise instructed in the course outline.

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. All documentation required for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counselling office of a student's Home Faculty.

For the policy on Academic Consideration for Student Absences Undergraduate Students in First Entry Programs, see:

Absences from Final Examinations

If you miss the Final Exam, please contact the Academic Counselling office of your Faculty of Registration as soon as you are able to do so. They will assess your eligibility to write the Special Examination (the name given by the University to a makeup Final Exam).

than 2 exams in 23-hour period, more than 3 exams in a 47-hour period).

If a student fails to write a scheduled Special Examination, the date of the next Special Examination (if granted) normally will be the scheduled date for the final exam the next time this course is offered. The maximum course load for that term will be reduced by the credit of the course(s) for which the final examination has been deferred. See the Academic Calendar for details (under Special Examinations).

e.g., more

If Remote Proctoring Software may be used in this course, including in the event of health lock-down. Tests and examinations in this course will be conducted using a remote proctoring service.