

# STAT 9055 B Course Outline

## 1. Course Information

### Course Information

Lectures:

Mon 9:30 AM-11:30 AM WSC 248

Wed 9:30 AM-10:30 AM WSC 248 or HSB 13 (TBD)

### List of Prerequisites

You must have completed SS9859A or an equivalent course. I also expect you to have a working knowledge of R. If you do not have these pre-requisites and are interested in taking the course then please speak with me immediately.

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.

## 2. Instructor Information

Instructors	Email	Office	Phone	Office Hours
Dr. Simon Bonner	<a href="mailto:sbonner6@uwo.ca">sbonner6@uwo.ca</a>	WSC 276	519-661-2111 x88205	TBD



software required during the semester. I will work in RStudio during the lectures and expect most of you will do the same. However, you are welcome to use any IDE.

## 5. Methods of Evaluation

The overall course grade will be calculated as listed below:

Group activities (approximately weekly)	40%
Midterm Exam	30%
Final Project	30%

### Group Activities

You will divide yourselves into groups of three to four students at the start of each semester. Each week starting January 16, I will post an activity for you to complete in your groups. Activities will be based on the material covered in the readings and lectures from the previous week (e.g., the activity in Week 2 will be based on the reading posted in the first week). You will have time during the scheduled lectures to work on these activities, but you are also expected to meet outside of lecture.

### Midterm Exam

The midterm exam will be held in class on Monday February 27 and will cover the material presented in Sections 1, 2, and 3 of the course.

### Final Project

The final project will require you to analyse a data set and report on your results. Details will be provided later in the semester.

## 6. Student Absences

Please send me an e-mail as soon as possible if you are unable to meet a course requirement due to illness or other serious circumstances. Group assessments that are submitted after the deadline will be assessed a penalty of 10% per day. Individual assessments submitted after the deadline will be assessed a penalty of 10% per day unless you have been granted an extension. Any assessment submitted more than 5 days after the deadline will receive a grade of zero. If you are granted an extension longer than 5 days then the assessment will be waived and the weight of the assessment will be moved to another component of the course.

## 6. Accommodation and Accessibility

### Religious Accommodation

When a course requirement conflicts with a religious holiday that requires an absence from the University or prohibits certain activities, students should request accommodation for their absence in

Students with disabilities are encouraged to contact Accessible Education, which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The policy on Academic Accommodation for Students with Disabilities can be found at:

[https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/Academic\\_Accommodation\\_disabilities.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Accommodation_disabilities.pdf).

## **7. Academic Policies**

The website for Registrarial Services is <http://www.registrar.uwo.ca>.

In accordance with policy,

[https://www.uwo.ca/univsec/pdf/policies\\_procedures/section1/mapp113.pdf](https://www.uwo.ca/univsec/pdf/policies_procedures/section1/mapp113.pdf),

the centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at their official university address is attended to in a timely manner.

## **8. Support Services**

Western is committed to reducing incidents of gender-based and sexual violence and providing compassionate support to anyone who has gone through these traumatic events. If you have experienced sexual or gender-based violence (either recently or in the past), you will find information about support services for survivors, including emergency contacts at

[https://www.uwo.ca/health/student\\_support/survivor\\_support/get-help.html](https://www.uwo.ca/health/student_support/survivor_support/get-help.html).

To connect with a case manager or set up an appointment, please contact [support@uwo.ca](mailto:support@uwo.ca).

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Accessible Education at

[http://academicsupport.uwo.ca/accessible\\_education/index.html](http://academicsupport.uwo.ca/accessible_education/index.html)

if you have any questions regarding accommodations.

## **Course Schedule (Tentative)**

### **Section 1: Review of Linear Regression**

- Week 1 (January 9 & 11)
  - o Review of point estimation, interval estimation, hypothesis testing, goodness of fit