



SS 2037B: Statistics for Health Course Outline

1. Course Information

Course Information

Term: Winter 2023

Location: WSC 55

Lectures: Monday 3:30-4:20, Wednesday 3:30

Put your phones on silent and refrain from being on them. If you must answer your phone, immediately and quietly leave the room. I understand there are sometimes emergencies, but this should not disrupt other students.

Treat others as you would like to be treated. When speaking for the first time in a new group, introduce yourself with your name, and pronouns if you feel comfortable. Do not judge others for their work in this class, their questions, or anything they choose to share.

When others are speaking, whether it be instructor or student, listen and do not speak over them. Please allow 24 hours for a response via email. I will not be answering emails in the evenings, weekends, or holidays, but I will get back to you as soon as possible. The same should be expected of your peers.

3. Course Syllabus, Schedule, Delivery Mode

Course Description

An examination of statistical issues aiming towards statistical literacy and appropriate interpretation of statistical information. Common misconceptions will be targeted. Assessment of the validity and treatment of results in popular a

3	Jan 23	2.1 & 2.2	Examining relationships Scatterplots Transformations	
	Jan 25	2.3	Correlation	
4	Jan 30	2.4	Least-squares regression Prediction Correlation and regression	
	Feb 1	2.5	Cautions about correlation and regression	
5	Feb 6	2.6 & 2.7	Contingency tables Joint distributions Simpson's paradox Causation	Assignment 1: Chapter 1
	Feb 8	3.1 – 3.3	Sources of data Experiments and randomization Matched pairs and block designs Sampling techniques	
6	Feb 13	3.4	Ethics	
	Feb 15	4.1 & 4.2	Probability	

			Cautions about hypothesis testing	
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If students need assistance with the course OWL site, they can seek support on the OWL Help page. Alternatively, they can contact the Western Technology Services Helpdesk. They can be contacted by phone at 519-661-3800 or ext. 83800.

5. Methods of Evaluation

! **Final exam** will be booked by the registrar's office. Students will be allowed **one double sided, handwritten, letter sized cheat sheet. Handwritten means pen to paper, no printing from a computer of any kind.** Again, any violations seen on the cheat sheet and it will be taken from the student.

6. Student Absences

If you are unable to meet a course requirement due to illness or other serious circumstances, please follow the procedures below.

Assessments worth less than 10% of the overall course grade:

cognitive testing. The policy on Academic Accommodation for Students with Disabilities can be found at:

Learning-skills counsellors at the Student Development Centre (<https://learning.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support