

Learning Outcomes

This course is intended to provide students with an understanding of the theory of statistical inference, including point and interval estimation, hypothesis testing, as well as the assessments of the procedures. By the end of the course, students are expected to be able to identify the estimators for quantities of interest, and optimal tests for hypotheses.

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Main Reference Books:

Statistical Inference 2nd Edition, by George Casalla and Roger Berger, DUXBURY, 2002.

Students are responsible for checking the course OWL site (<http://owl.uwo.ca>) on a regular basis for news and updates. This is the primary method by which information will be disseminated to all students in the class.

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.

The overall course grade will be calculated as listed below:

Assignments (3)	<u>15</u> %
Two tests	<u>62</u> %
Final take home exam	<u>23</u> %

Three assignments are due in class on

Feb. 8
Mar. 11
Apr. 7

Two tests will be taken in class (10:00-11:20am) on

Feb. 17 (30%)
Apr. 7 (32%)

Final take home exam (24 hours)

Apr. 1, 10:00 to April 5, 8:59 am

A05

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) 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.
- (ii) 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.

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

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf

and for the Student Medical Certificate (SMC), see:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf.

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 writing at least two weeks prior to the holiday to the course instructor and/or the Academic Counselling office of their Faculty of Registration. Please consult University's list of recognized religious holidays (updated annually) at

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You may also be eligible to write the Special Exam if you are in a "Multiple Exam Situation" (e.g., more than 2 exams in 23-hour period, more than 3 exams in a 47-hour period).

Students with disabilities work with Accessible Education (formerly SSD), which provides recommendations for accommodation based on medical documentation or psychological and cogni

Students who are in emotional/mental distress should refer to Mental Health@Western
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