HS3801B: Measurement and Analysis in Health
Sciences
Winter | 2025

Prerequisite(s):
Health Sciences 2800 or Health Sciences 2801A/B.

Antirequisite(s):
Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Kinesiology
3032A/B, MOS 2242A/B, Psychology 2810, Psychology 2820E, Psychology 2830A/B, Psychology
2850A/B, Psychology 2851A/B, Social Work 2207A/B, Sociology 2205A/B, Statistical Sciences
2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences
2244A/B, Statistical Sciences 2858A/B.

Course Information
Instructor Name: Dr. Andrew Johnson, PhD (he/him)
Email: ajohnson@uwo.ca
Office Hours Day / Time: TBA
Location: TBA
Lectures Day / Time: TBA
Tutorials Day / Time: TBA

Land Acknowledgement
We acknowledge that Western University is located on the traditional territories of the
Anishinaabek, Haudenosaunee, Lūnaapéewak and Chonnonton Nations, on lands connected with
the London Township and Sombra Treaties of 1796 and the Dish with One Spoon Covenant
Wampum. This land continues to be home to diverse Indigenous Peoples whom we recognize as
contemporary stewa

Acc essibil ity Acknowle dgeme nt

Meaningful ways to incorporate equity into the student experience are important to the School of

Health studies. To that end, we honour all manner of differences inher ent within the student

population and incorporate accessible options for inclusion to the best of our abilities in each

course offering

Course Description

An introduction to measurement and analysis in Health Sciences research, covering topics

such as validity, reliability, st andard errors, confidence intervals, tests of means, correlation,

and linear regression.

Course Format and Time table

W eek of: Lec ture Topic(s) On line Quiz D ue

information about support services for survivors, including emergency contacts at:
https://www.uwo.ca/health/student_support/survivor_support/get-help.html

Student Code of Conduct
The purpose of the Code of Student Conduct is to define the general standard of conduct
expected of students registered at Western University, provide examples of behaviour that
constitutes a breach of this standard of conduct, provide examples of sanctions that may be
imposed and set out the disciplinary procedures that the University will follow. For more
information, visit https://www.uwo.ca/univsec/pdf/board/code.pdf

Absence from Course Commitments
Students must familiarize themselves with the Policy on Academic Consideration –
Undergraduate Students in First Entry Programs

Students missing course work for medical, compassionate, or extenuating circumstances can
request academic consideration by completing a request at the central academic consideration
portal. Students are permitted one academic consideration request per course per term
without supporting documentation. Note that supporting documentation is always required
for academic consideration requests for examinations scheduled by the office of the registrar
(e.g., December and April exams) and for practical laboratory and performance tests (typically
scheduled during the last week of the term).

Students should also note that the instructor may designate one assessment per course per
term that requires supporting documentation. This designated assessment is described
elsewhere in this document. Academic consideration requests may be denied when flexibility in
assessment has already been included.

Examples of flexibility in assessment include when there are assessments not required for
calculation of the final grade (e.g. 8 out of 10 quizzes), when there is flexibility in the
submission timeframe (e.g. 72 hour no late penalty period), or when timed assessments (e.g.,
quizzes) are available over an extended period of time (e.g., when you are given a 72 hour time
period to start – and finish – the assessment).

Please note that any academic considerations granted in this course will be determined by the
instructor of this course, in consultation with the academic advisors in your Faculty of
Registration, in accordance with information presented in this course syllabus. Supporting
documentation for academic considerations for absences due to illness should use the Student
Medical Certificate or, where that is not possible, equivalent documentation by a health care
practitioner.

Accommodation for Religious Holidays
Students should review the policy for Accommodation for Religious Holidays. Where a student
will be unable to write examinations and term tests due to a conflicting religious holiday, they
should inform their instructors as soon as possible but not later than two weeks prior to writing
the examination/term test. In the case of conflict with a midterm test, students should inform
their instructor as soon as possible but not later than one week prior to the midterm.

Special Examinations
A Special Examination is any examination other than the regular examination, and it may be
offered only with the permission of the Dean of the Faculty in which the student is registered, in
consultation with the instructor and Department Chair. Permission to write a Special
Examination may be given on the basis of compassionate or medical grounds with appropriate

responsibilities. (Note – it will not be sufficie nt to provide documentation indicating simply that

the student “was seen for a medical reason” or “was ill.”).

Whenever possible, students who require academic considerations should provide notification and

documentation in adv ance of due dates, ex aminations, etc. Under no circumstances are students

ex pected to submit rationales for (or documentation of) any absences, to course instructors.

Students are, however, required to follow-up with course instructo rs, in a timely fashion, to

identify the ways in which t he academic consideration will be implemented.

E x amination Conflic ts

A student completing tests or examinations with flexible submission times (e.g., where one or

more evaluation is a take-home assessment) cannot request alternative arrangements un less a

conflict cannot be avoid ed by rescheduling writing the ex am to a different time within the window

specified by the instructor. This applies to direct conflicts as well as “heavy load” conflicts (e.g.,

three exams within a 23-

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Appealing a Grade W ithin this Course

You have the right to appeal any grade within this course. The grounds for a grade appeal may

be one or more of: medical or compassionate circumstances, ex tenuating circumstances beyond

the student’s control, bias, inaccuracy, or unfairness. All grounds advanced in a request for