

\_\_\_\_\_ or the former Health Sciences 2800.

**Antirequisites:** [Biology 2244A/B](#), [Economics 2122A/B](#), [Economics 2222A/B](#), [Geography 2210A/B](#), [MOS 2242A/B](#), [Psychology 2810](#), [Psychology 2820E](#),

\_\_\_\_\_ [Sociology 2205A/B](#), [Statistical Sciences 2035](#), [Statistical Sciences 2141A/B](#), [Statistical Sciences 2143A/B](#), [Statistical Sciences 2244A/B](#), [Statistical Sciences 2858A/B](#), [Statistical Sciences 2037A/B](#) if taken prior to Fall 2010, former Psychology 2885 (Brescia), former Statistical Sciences 2122A/B, former Social Work 2205.

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### 3.1 TEXTBOOKS

There are no ~~it~~ textbooks for this course. If you wish to have a textbook for the course, I recommend the OpenStax text by Illowsky et al. The PDF of this text is available for free through OpenStax.org, or [you may purchase a professionally bound copy](#) for approximately \$40 through Amazon.ca. More information can be found here:

<https://openstax.org/details/introductory-statistics>

### 3.2 CALCULATOR

You will need a calculator with a “stats mode” for this course. The device should be easy to use – I would recommend that you avoid calculators that have functions and capabilities that are not required for this course. A calculator sufficient for this course should cost approximately \$15 to \$35. It is advisable to have your calculator available for all lectures, homework assignments, tests, quizzes, and assignments.

### 4.0 COURSE OBJECTIVES

In this course, you will be introduced to statistical analyses in the health sciences, with an emphasis on learning how the analyses are conducted by hand. By the end of the course, you will be comfortable with the theory and mechanics of calculating measures of central tendency and dispersion, standard scores, t-tests (both independent and dependent), bivariate correlation and regression, simple chi-square calculations for frequency distributions, and simple ANOVAs (both independent and dependent).

### 5.1 EVALUATION

Online Quizzes	throughout the course	20%
Midterm	2021.03.05	30%
Final Exam	TBA (during final exam period)	40%
Contributions to Self-Testing	throughout the course	10%

**Obj** I have created seven online quizzes to help you review exam material. These online quizzes will be strictly multiple-choice, and are (obviously) open-book examinations. You should plan to use a calculator for all of these quizzes. My expectation is that you will do these quizzes individually, and not with your classmates. You will have 30 minutes to complete each quiz, starting from the time you first open the quiz (i.e., if you close your browser, the timer will continue to run). Each quiz may be submitted only once. Quizzes are due at 9:55pm on the dates noted within the course schedule. Late quizzes will not be accepted, as question-level feedback will be released the day after each quiz is due. Students receiving academic consideration, or who use self-reported absences for periods of time that include a quiz due date, will have the value of missed quiz(zes) distributed amongst the remaining quizzes. This adjustment will be done at the end of the course.

**Mt** : The midterm for this course will cover all course material (in readings, supplemental materials presented through OWL, or in lecture videos) presented between 2021.01.11 and 2021.02.26 (i.e., up to and including our unit on correlation and regression). This test will consist of some combination of multiple-choice questions, short-answer questions, and calculation questions. You will probably want to have a calculator for this exam. You will have two hours to complete the

~~CHS~~ - ~~W~~ One of the most frequent requests that I receive from students is for more sample questions. To address this need, we will be using PeerWise as a place for you to create, share and evaluate assessment questions with your classmates. ~~igllm~~

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Start by visiting [PeerWise](#)

### 5.3 MAKEUP EXAM DATES / LOCATIONS

You must have a valid medical or compassionate reason for missing a scheduled evaluation, and documentation for your absence must be filed with the main office of the School of Health Studies. See section 7.2 of this outline for information concerning acceptable documentation of illness.

Retroactive exam accommodation (i.e., for exams that have been written) will not generally be granted.

Makeup examinations will consist of some combination of multiple choice questions, essay questions, and computational questions. **Makeup examinations are scheduled by the School of Health Studies. You will be given information as to the date, time, and location of the makeup examination after you have been granted permission to write the examination. NOTE: This is not a guarantee of a makeup exam. If you are unable to attend a scheduled exam, you must contact the School of Health Studies immediately to request a makeup exam.**

grades will only be provided to you through OWL – I will not, under any circumstance, convey grades via email or over the phone.

### ***Eni l***

I am happy to answer your questions via email. You must, however, use your UWO email address for all correspondence regarding this course. Because the University ‘anti-spam’ programs often reject email from Gmail, iCloud, Hotmail, Yahoo, and other public email addresses, there is no guarantee that I will receive your emails if you send them from a public email program – or from any off-campus server, when sending email using any method other than the university’s webmail system. That said, I will do my best to answer your emails promptly.

### ***Grad e Adj~~u~~***

Final grades in this course will be taken to the closest integer (i.e., I will “round off” decimals). Exam grades will be calculated out of 100% to one decimal place. I will not, under any circumstances, “bump up” your grade (i.e., to facilitate professional school applications etc.). This includes grades that end in a “9”. Along similar lines, I will not reweight examinations for reasons other than those outlined in section 5.3. In other words – I will not alter exam weights for evaluations that you have already written.

### ***Use of Recdi g Dev cesad Cn Cn***

Course instructors own and retain the intellectual property rights to their teaching materials. These rights extend to materials used in online settings and digital learning management systems like OWL. Additionally, some of the materials used within this course (e.g., the textbook) have license restrictions that limit the ways in which they may be shared and used outside the course. You do not have my permission to make audio or video recordings of lectures, take pictures of lecture material, or distribute any of the teaching materials within the course. **Unless explicitly noted otherwise, you may not edit, re-use, distribute, or re-broadcast any of the material posted to (or linked within) the course website.**

## **7.2 POLICY REGARDING ILLNESS**

The University recognizes that a student’s ability to meet their academic responsibilities may, on occasion, be impaired by extenuating circumstances, including short-term illness or injury.

Reasonable academic consideration is a cooperative process between the Univers( )5 (L9 (viD(een)1 ( t)-1 (h)1 (e )

- Are advised to consider carefully the implications of postponing tests or midterm exams or delaying handing in work;
- Are encouraged to make appropriate decisions, based on their specific circumstances, recognizing that minor ailments (e.g., upset stomach) or upsets (e.g., argument with a friend) are not normally an appropriate basis for a self-reported absence;
- Must communicate with their instructors no later than 24 hours after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a documented absence;
- Are advised that all necessary documentation, forms, etc. are to be submitted to academic counselling within two business days after the date specified for resuming responsibilities

Students who experience an unexpected illness or injury or an extenuating circumstance (48 hours or

### **7.3 POLICY ON CHEATING & ACADEMIC MISCONDUCT**

Scholastic offences are taken seriously and you are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: