

Instructor Information

Course timetable

Some adjustments to this timetable may be made based on our progression through the material; any changes to due dates will be announced on OWL.

Week	Lecture/Lab Topics	Assignments due Fri at 11:55 pm EST	Activities due Friday at 11:55 pm EST *Not all of these are required!	Test
June 20-24	PPDAC: A scientific inquiry framework Sampling designs & considerations Study designs & considerations Lab 1: Getting to know R		Core Activity 1: issues with sampling Reflection 1: planning Application 1: Sampling & study designs	
June 27- July 1	Planning ahead: Sampling variability Summarizing & Exploring Data Probability Models & Vocabulary Lab 2: Working with Data in R Lab 3: R script and R markdown files	Assignment 1: Problem and Plan	R Practice 1: working with RMD files Application 2: data summaries	
July 4-8 July 11-15	Probability Models: Binomial models Probability Models: Normal models Sampling distributions Lab 4: Summarizing & Visualizing Data in R	Data Skills Project: Phase 1	Core Activity 2: sampling distributions R Practice 2: summarizing data	Test: Sunday, July 10 th between 4-10 pm EST

progressively through the stages of the PPDAC framework², and involve answering questions that relate to an overall research objective and set of related research questions.

HOW? The majority of the *Assignments* will be submitted as an R markdown file (.RMD), and resulting knitted .PDF file AND the .PDF file must be uploaded to Gradescope.ca.

ESSENTIAL REQUIREMENT. Completion ALL three (3) *Assignments* and earning no more than 5 level A (and no level N) on learning outcomes, or, earning no more than 3 level A and no more than 1 level N on learning outcomes is part of the s

WHAT? One *Test* composed of a couple short answer and/or multiple choice questions, which may involve calculations, drawings, etc. The Test is closed book *unless* otherwise specified in the description on OWL. Students may use non-programmable calculators.

HOW? The *Test* will be conducted online, semi-synchronously (i.e. during a pre-scheduled time window).

Final Exam.

WHY? The *Final Exam* serves as an opportunity to demonstrate your understanding, application, and integration of the course material, possibly including practical application of the skills/concepts with the statistical software, R.

WHAT? A **cumulative** exam with several short answer questions and/or multiple choice questions, which may involve calculations, drawings, data analysis/interpretation, and potentially use of R. The *Final Exam* is closed book *unless* otherwise specified in the description on OWL. Students may use non-programmable calculators.

HOW? The *Final Exam* will be conducted online, semi-synchronously (i.e. during a pre-scheduled time period, as determined by the University Registrar). More details will be posted on OWL once the exam date is determined.

ESSENTIAL REQUIREMENT. Earning a passing grade (50% or higher) on the *Final Exam* Requir Failing to meet the Essential Requirements with respect to the Final Exam will result in a final course grade recorded as 45% (or, your calculated course grade whichever is lower).

Accommodated Evaluations

All Assignment, Activity, and Data Skill Project deadlines have an automatic 48- . That is, if you cannot make the original deadline set, you will have an additional 48-h period during which you can still submit the assessment **without** requiring any of the following: accommodation from Academic Counseling, the use of a Self-Reported Absence, or permission from the instructor. So, if you need that extra 48 hours to get these assessments submitted, simply take it no questions asked. Beyond that 48-h grace period, late Activities *without* accommodation will not be accepted. Late Assignments or Data Skills Projects will be accepted with a late penalty per 24 h or part thereof. Missed assessments will not be accommodated except as described above. There is There is Thera1.00063996 Tf des nBT/F5 9.96 Tf1 Ab9(me6 T34 792 28(om)3(m)-9(od)-

which the graded Assignment is returned to the class, then an INC will be issued for the course grade. The missed Assignment will be completed the next time the course is offered.

Self-Reported Absences or accommodation through Academic Counseling for the **Test** will result in eligibility to write a make-up Test (tentatively scheduled for July 15 between 4 pm and 10 pm EST). Accommodation that covers the period of the make-up **Test** may result in a reweighting of other components of the course or some other accommodation determined as equivalent by the instructor.

Non-core Activities will not be accommodated; a student missing the deadline for a non-core Activity can simply complete a different non-core Activity that is still available (i.e. with a deadline that has not yet passed). It behooves students to complete *Activities* throughout the course, rather than waiting until the last weeks in the course to submit *Activities*.

A **core Activity** granted an extended deadline accommodation through Academic Counseling should be discussed with your instructor via OWL Message to identify a suitable deadline. If the accommodation period extends beyond the point at which the graded core Activity is returned to the class, alternative arrangements will be made to fulfill the learning outcomes of the *core Activity*.

Click [here](#) for a detailed and comprehensive set of policies and regulations concerning examinations and grading.

Rounding of Marks Statement

Across the Sciences Undergraduate Education programs, we strive to maintain high standards that reflect the effort that both students and faculty put into the teaching and learning experience during this course. All students will be treated equally and eva

Learning-skills counsellors at the Student Development Centre (<http://www.sdc.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 is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Students who are in emotional/mental distress should refer to Mental Health@Western (http://www.health.uwo.ca/mental_health) for a complete list of options about how to obtain help.

Additional student-run support services are offered by the USC, <http://westernusc.ca/services>.