





## Course Schedule and Delivery Mode

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### Universal Design for Learning

This course applies principles of **Universal Design for Learning** (UDL), which “focuses on eliminating barriers through initial designs that consider the needs of diverse people”<sup>2</sup>. You will encounter a combination of in-person, audio, video, and/or text-based resources, diagnostic assessments (“What do you know?”) and “self-assessments” to help you efficiently allocate your time for learning; deadlines with automatic grace periods; and alternative course weighting schemes that acknowledge that mastery may occur at individualized rates.

### Delivery of course material

This course is timetabled as a **blended course**; this means that the course content is a mixture (blend!) of online and in-person delivery. Specific to Biol/Stat 2244, **lecture content** is primarily in-person with some small online components, while **lab content** is delivered entirely online. Having a reliable internet connection, and, ideally, dedicated access to a laptop or desktop computer is required to be successful.

### Timetable

#### **Lectures**

There are two (2) lecture sections (200 and 201) in the course; each section has 2 h of lecture per week. I try to keep the two lecture sections progressing through the material at the same pace. However, differences in questions and discussions that occur during class may result in the sections becoming about 5 minutes separated in pacing.

#### **Labs**

The lab component is online and asynchronous. Lab modules are planned into the Course Schedule (below); the expectation is that students will complete the relevant lab modules during the planned week, on their own time. Drop-in Help Sessions with TAs will be planned for those weeks, to ensure there is sufficient and appropriate support of your lab-related questions. The scheduling of the lab modules is also organized to ensure relevant skills/knowledge are completed for upcoming graded assessments that require their application. Plan to have 2 to 3 hours of lab tasks to work through most weeks, plus allocate time for suggested practice.

### Course Schedule

The planned schedule for lecture topics, lab modules, and assessment deadlines/dates is provided in the table on the next page.

Some adjustments to the schedule may be made if issues are encountered during the course; any changes to deadlines/dates will be announced on OWL Announcements. For information on the Assessments (e.g. what is a “Meta Activity?”), see the section on Methods of Evaluation (pages 6-10).

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<sup>2</sup> Novak, K. and T. Thibodeau. 2016. UDL in the Cloud: How to design and deliver online education using Universal Design for Learning. CAST, Inc., Wakefield, Massachusetts.

Week	Lecture/Lab Topics	Assessments due Friday at 11:55 pm	Exams
Sept 5 - 8	<b>Thurs, Sept 5:</b> no lecture (section 201) <sup>3</sup>		
Sept 9 - 15	PPDAC: A scientific inquiry framework Sampling designs & considerations		
Sept 16 - 22	Sampling designs & considerations, cont'd. Study designs & considerations <b>Lab:</b> Setting up R & R Studio	Meta Activity A	
Sept 23 – 29	Study designs & considerations, cont'd. <b>Lab:</b> Working with Data in R	Stat Activity 1	
Sept 30 – Oct 6	<b>Mon, Sept 30</b>		

## Learning Outcomes

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*Statistics is a scientific discipline that informs all stages of research, from problem definition to*











a “One-Pager” (i.e. a single-sided 8.5” x 11” page with notes, reminders, etc.) and a non-programmable calculator.

**HOW?** The *Final Exam* will be in-person on Western campus at a time/location scheduled by the University Registrar.

**EVALUATION?** The Final Exam is graded using a traditional points-based scale, as described above for the Midterm.

**ACADEMIC CONSIDERATION?**

## Accommodation and Accessibility

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### Accommodation Policies

Students with disabilities are encouraged to contact Accessible Education, which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The policy on

## Additional Policies

The website for Registrarial Services is <http://www.registrar.uwo.ca>.

In accordance with policy, [https://www.uwo.ca/univsec/pdf/policies\\_procedures/section1/mapp113.pdf](https://www.uwo.ca/univsec/pdf/policies_procedures/section1/mapp113.pdf), the **centrally administered e-mail account** provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at their official university address is attended to in a timely manner.

**Scholastic offences** are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:  
[http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf).

All required papers may be subject to

other individuals participating in the course for their private or group study purposes. Please contact the instructor if you have any concerns related to session recordings.

Participants in this course are not permitted to record sessions, except where recording is an approved accommodation, or the participant has the prior written permission of the instructor.

### Copyright Statement

Please be aware that all course materials created by the instructor(s) are copyrighted and cannot be **sold/shared**. Those include materials used in lectures, labs, tests/quizzes, assignments, midterms, activities, and finals. Any posting/sharing of such materials in part or whole without owner's consent is considered as violation of the Copyright Act and will be considered as a scholastic offence.

In addition, online services such as Chegg are actively monitored. Any questions that are coming out during