

Syllabus

Winter Session 2021/22 Term 1

Time and Place

- Section 101: Online (Zoom), Mon/Wed/Fri 9:00 - 10:00
- Section 103: In-Person, Mon/Wed/Fri 14:00 - 15:00

Course Objective

This course provides the basic statistical toolkit required for the understanding and use of a range of methods for both summarizing and analyzing data, giving a platform for further study of applied Statistics. The emphasis in the course will be the application of these methods to real-life situations from Science.

Prerequisites

One of MATH 101, 103, 105, 120 or SCIE 001

Contact

Position	Name	Section	Office Hours	Office Location
Instructor	Rodolfo Lourenzutti	103		
Instructor	Melissa Lee	101	Fridays 10:00 - 11:00	Zoom

Please contact stat200@ugrad.stat.ubc.ca if you have personal or administrative questions that do not pertain to the course material (e.g., Centre for Accessibility registration, medical issues, mental health, special requests, etc). Please use Piazza discussion board for communications related to:

- Technical issues (problem installing something, finding something);
- Questions related to the topics of the course;
- Regrade requests;

You can post anonymous questions on Piazza (only the teaching team will know your name) if you are not comfortable posting with your name attached!

Please note: The teaching team responds to emails Monday to Friday, and we try our best to answer you as promptly as possible, however, given the large class size it may take a few days to respond. Please be patient if you don't get a response immediately!

Course Platforms

- **Zoom:** Certain lab sections and Section 101 lectures will be held via Zoom. Check your lab section to see whether it is online or in-person!
- **iClickers:** Section 103 will be using the iClicker in lectures. It is free for students. iClicker is a response system that allows you to respond to questions posed by instructors during class. You will not be graded, but in order to participate in class, you

will need to create an iClicker account associated with UBC as soon as possible. See here for details: <https://lthub.ubc.ca/guides/iclicker-cloud-student-guide/Links>

- **Webwork:** There will be weekly webwork online assignments.
- **Canvas:** All course assignments (including the link to webwork) and information can be found on the [course's page on Canvas](#). Please check the Canvas website regularly to keep up-to-date with the course.
- **Piazza:** Piazza will be used for class discussion and questions.

Course Structure

Lectures

- **Before lecture:** Lecture notes will be posted prior to class. Please read through the appropriate chapter's lecture notes for that week. (We can't emphasize the importance of this step enough.)
- **During lecture:** We will give a lecture and/or do an activity/questions in class. Please use this time to ask us questions or interact with your peers. iClicker will be used in section 103 and Zoom polling in section 101 for posing questions and class discussion.
- **After lecture:** Review the material and work on the assigned weekly assessments. Section 101's lectures will be recorded and posted after class.

Labs

- **Labs will start the second week of class**
- We will use R (a freeware) for labs in this course. We also encourage the installation of RStudio (an Integrated Development Environment for R). Detailed information regarding how to download and install these programs can be found on Canvas.
- You must attend the lab section for which you are registered. Some labs are in-person and some are online, please double check your section to see whether it is in-person or online.

Textbook:

- De Veaux, R.D., Velleman, P.F., et al. (2018). Stats: Data and Models (Third Canadian edition). Toronto: Pearson Canada.
 - Chapters to be covered: 1-20, 22, 24
- The textbook is recommended, but not required.

Course Assessment:

Each week there will be labs and Webwork. There will be two written assignments and one midterm during the term. All these activities are in place to help you keep track of the course content and not fall behind.

Assessment	Percentage
WeBWork Online homework	15
Labs	15
Written Assignments	15

Midterm	20
Final Exam	35

- For the due dates of the assignments/exams, refer to the schedule on Canvas. The final exam will be scheduled by Classroom Services.

Course Policies

Midterm

- Students will write their midterm during lecture time for which they registered (E.g. Section 101: MWF 9 - 10AM or Section 103: MWF 2 - 3PM)
- The midterm for **both sections** will administered via Canvas quizzes. We strongly recommend students to use Google Chrome browser to avoid issues with Canvas.
- **Section 101** will be invigilated online via [Zoom](#). Please ensure that you meet system requirements to use Zoom.
- **Section 103** will be invigilated in-person during lecture. You must bring your laptop to the midterm.
 - If you need to borrow a device, see here for details: <https://services.library.ubc.ca/computers-technology/technology-borrowing/>

If you are sick on a midterm exam day, please email the instructor as soon as you are confident you should not come to the scheduled exam. We would strongly prefer that you contact us to make an alternate arrangement than for you to come to the exam while you are ill. If you do show up for an exam and you are clearly ill, you will not be able to write the exam and we will make alternate arrangements with you. It is much better for you to email ahead of time and not attend. Remember to include your full name and student number in your message.

Final exam

- All students will write **in-person exams** for **both sections**
- The final exam for **both sections** will administered via Canvas quizzes. We strongly recommend students to use Google Chrome browser to avoid issues with Canvas.

If you are sick on a final exam day, do not attend the exam. You must apply for deferred standing (an academic concession) through Science Advising no later than 48 hours after the missed final exam/assignment. Students who are granted deferred standing write the final exam/assignment at a later date. Learn more and find the application online:

<https://science.ubc.ca/students/advising/concession>

For additional information about academic concessions, see the UBC policy here:

<http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,329,0,0>

Alternate assessment application

The expectation in this course is that major assessments (e.g. final exam) are written in person. You may be in a situation that prevents you from coming to campus

(e.g. geographic location, medical or extenuating circumstances). If you are in this situation, you must apply for alternate format assessments through Science Advising. Application and more information available online. <https://science.ubc.ca/students/blog/applying-alternate-format-assessments-online-courses>

Excused assignments

We are aware that sometimes life gets in the way of getting things done. For example, you might feel sick in a given week, have a family emergency, or feel overwhelmed with your other courses. For this reason, we will drop the lowest lab, and webwork grade (one of each) at the end of the semester. This will be done automatically, so you don't need to let us know.

Regrading

If you have concerns about the way your work was graded, please open a request within one week of having the grade returned to you. After this one-week window, we may deny your request for re-evaluation. Also, please keep in mind that your grade may go up or down as a result of re-grading. To open a regrade requests, please follow the steps on Canvas.

Late Submissions

Labs and written assignments submitted after the deadline will receive a penalty of 1% hourly penalty, for a maximum of 48 hours. After 48 hours, the assignment will receive a grade of 0. There is no need to contact the instructors as the penalty will be automatically applied. Please note that Webwork assignments and exams are submitted automatically at the due date/time. If you have an extenuating circumstances with regard to Webwork or exams, please contact your instructor.

File Integrity

It is the student's responsibility to ensure that any work that is uploaded is not corrupted. If the teaching team cannot open part of or all of the files then the student may automatically receive a grade of 0.

Extenuating circumstances

Claims for extenuating circumstances shall be determined on a case-by-case basis and will be considered only if accompanied by a [Student Declaration of Academic Concession](#) form found on the course website. Notification of extenuating circumstances should be provided as early as possible.

Academic Integrity

All students are expected to follow UBC's [Academic Honesty and Standards](#) policy. We encourage students to work together on assignments and labs, however all of your work must be written in your own words. Students must correctly cite references if you quote or use outside sources in your work. Breach of the academic integrity policy may, at a

minimum, result in a grade of 0 on the relevant assessment or may result in more serious consequences.

Please see UBC's Academic Calendar for detailed policies on Academic Misconduct: <http://calendar.ubc.ca/vancouver/index.cfm?tree=3,54,111,0>.

Covid Safety in the Classroom

Masks: Masks are required for all indoor classes, as per the BC Public Health Officer orders. For the in-person meetings in this class, it is important that all of us feel as comfortable as possible engaging in class activities while sharing an indoor space. For the purposes of this order, the term "masks" refers to medical and non-medical masks that cover our noses and mouths. Masks are a primary tool to make it harder for Covid-19 to find a new host. You will need to wear a medical or non-medical mask for the duration of our class meetings, for your own protection, and the safety and comfort of everyone else in the class. You may be asked to remove your mask briefly for an ID check for an exam, but otherwise, your mask should cover your nose and mouth. Please do not eat in class. If you need to drink water/coffee/tea/etc, please keep your mask on between sips. Please note that there are some people who cannot wear a mask. These individuals are equally welcome in our class.

Vaccination: If you have not yet had a chance to get vaccinated against Covid-19, vaccines are available to you, free, and on campus [<http://www.vch.ca/covid-19/covid-19-vaccine>]. The higher the rate of vaccination in our community overall, the lower the chance of spreading this virus. You are an important part of the UBC community. Please arrange to get vaccinated if you have not already done so.

Seating in class: To reduce the risk of Covid transmission, please sit in a consistent area of the classroom each day. This will minimize your contacts and will still allow for the pedagogical methods planned for this class to help your learning.

Your personal health

If you're sick, it's important that you stay home – no matter what you think you may be sick with (e.g., cold, flu, other). A daily self-health assessment is required before attending campus. Every day, before coming to class, complete the self-assessment for Covid symptoms using this tool: <https://bc.thrive.health/covid19/en> Do not come to class if you have Covid symptoms, have recently tested positive for Covid, or are required to quarantine. You can check this website to find out if you should self-isolate or self-monitor: <http://www.bccdc.ca/health-info/diseases-conditions/covid-19/self-isolation#Who>. Your precautions will help reduce risk and keep everyone safer. In this class, the marking scheme is intended to provide flexibility so that you can prioritize your health and still be able to succeed: - Clicker questions in lectures will not be for marks - We will automatically drop your lowest Webwork score and your lowest lab score, so it's OK to occasionally miss an assignment (though it will help you on exams to complete them all, even for practice).

If you do miss class because of illness: - Make a connection early in the term to another student or a group of students in the class. You can help each other by sharing notes. If you don't yet know anyone in the class, post on the discussion forum to connect with other

students. - Consult the class resources on Canvas. We will post slides and section 101's recordings for each class.

- Use the online discussion forum for help.

- Go to virtual labs or instructor office hours to ask questions - If you are concerned that you will need to miss a particular key activity due to illness, contact us to discuss.

Instructor health

If your instructor is sick: I will do my best to stay well, but if I am ill, develop Covid symptoms, or test positive for Covid, then I will not come to class. If that happens, you can expect one of the following: - The other section's instructor will substitute - If I am well enough to teach, but am taking precautions to avoid infecting others, we may have a synchronous online session or two. If this happens, you will receive an announcement in Canvas telling you how to join the class. You can anticipate that this would very likely be a last minute message. Our classroom will still be available for you to sit and attend an online session, in this (hopefully rare) instance.

- You may receive a message from me with a recording of the lecture material for you to watch on your own time.