

Stat 200 Elementary Statistics for Applications

Winter Session 2020/21 Term 1

Course Description: Classical, nonparametric and robust inferences about means, variances, and analysis of variance, using computers. Emphasis on problem formulation, assumptions, and interpretation.

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.

Instructors:

Rodolfo Lourenzutti & Melissa Lee

Course Website: canvas.ubc.ca

Please check the Canvas website regularly to keep up-to-date with the course.

Course email: stat200@ugrad.stat.ubc.ca

Recommended Textbook: De Veaux, R.D., Velleman, P.F., et al. (2018). *Stats: Data and Models* (Third Canadian edition). Toronto: Pearson Canada.

Mirrored Sessions: For students in alternate time zones, we will be offering synchronous mirrored sessions Tuesdays and Thursdays from 5 PM - 6:20 PM. Please note, **students must write their midterm during the lecture time for which they registered (e.g. Section 101: MWF 9 - 10 AM or Section 103: MWF 2 - 3 PM). We will not offer alternate midterms or exams during the mirrored session or at alternate times so please plan accordingly.**

Labs: You are required to use either R or R Commander (a freeware) for labs in this course. Detailed information regarding how to download and install the software can be found on Canvas.

Piazza Discussion Board:

This term we will be using Piazza for class discussion. The system is highly catered to getting you help fast and efficiently from classmates, the TAs, and myself. Rather than emailing questions to the teaching staff, I encourage you to post your questions on Piazza. If you have any problems or feedback for the developers, email team@piazza.com.

Course Assessment:

| Assessment | Date | Percentage |
|---|---------------------------------------|-------------------|
| Class activity quizzes | weekly | 10% |
| WeBWork Online homework | Weekly | 12% |
| Labs | Weekly | 12% |
| Written Assignments | TBA | 14% |
| Midterm | TBA | 22% |
| Final Exam (you must pass the final to pass the course) | To be scheduled by Classroom Services | 30% |

Policy regarding missing the midterm or final exam:

1. There will be no make-up exams.
2. Students who miss a midterm exam should notify the instructor prior to (if possible) or immediately after the midterm. Students must fill out a “[Student Declaration of Academic Concession](#)” form within one week of the day of the midterm.
3. Students who miss the final exam must report to their Faculty advising office within 72 hours of the missed exam and must supply supporting documentation. Only your Faculty Advising office can grant deferred standing in a course. You must also notify your instructor prior to (if possible) or immediately after the exam. Your instructor will let you know when you are expected to write your deferred exam. Deferred exams will ONLY be provided to students who have applied for and received deferred standing from their Faculty.

Students must write their midterm during lecture time for which they registered (e.g. Section 101: MWF 9 - 10 AM or Section 103: MWF 2 - 3 PM). Unfortunately, we will not

offer midterms or exams at alternate times. The midterm and exam will be conducted with Canvas quizzes and will be invigilated using [Zoom](#). Please ensure that you meet system requirements to use Zoom and Canvas. We strongly recommend students to use Google Chrome browser to avoid issues with Canvas.

Chapters to be covered: 1-20, 22, 24

Detailed learning outcomes can be found on the course website. Refer to this document throughout the course to clarify the outcomes you are expected to attain each section of the material.

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>.

Academic Integrity

If you would like to appeal the grading of your assessments, please email the [course email address](#) within one week of having the grade returned to you. In your email, you must include your reason for requesting a regrade. Please note your grade may go up, down, or stay the same. Also, we may deny your request for regrade after the one-week window has passed.

Reach Out for Success

University students often encounter setbacks from time to time that can impact academic performance. Discuss your situation with your instructor or an academic advisor. Learn about how you can plan for success at www.students.ubc.ca. For help addressing mental or physical health concerns, including seeing a UBC counsellor or doctor, visit <https://students.ubc.ca/health/wellness-centre>.

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious and cultural observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available [here](#).