

University of British Columbia

STAT 200 - ELEMENTARY STATISTICS FOR APPLICATIONS Winter 2015-16

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 analysing 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.

Textbook: De Veaux, R.D., Velleman, P.F., et al. (2015). *Stats: Data and Models* (Second anadian edition). Toronto: Pearson Canada.

Clickers: We will be using the i>Clicker in lectures. i>Clicker is a response system that allows you to respond to questions posed by instructors during class, and you will be graded on your participation and performance. You are required to purchase an i>Clicker remote for in-class participation.

Labs: We will use R Commander for data analysis. The labs start the week commencing the second week of class. You will have registered for a lab when you enrolled on the course, and only under exceptional circumstances should you switch from this session to another.

Course Assessment:

Assessment	Date	Percentage
Class participation via i>clicker	in-class	5%
Online homework	weekly	10%
Written assignments	TBA	6%
Labs	weekly	6%
Midterm	TBA	25%
Final Exam (you must pass the final to pass the course)	To be scheduled by Classroom Services	48%

Policy regarding missing the midterm or final exam:

1. There will be NO make-up exam!
2. Students who miss an exam should notify the instructor prior to (if possible) or immediately after the exam. Students must supply a supporting document (for example, a doctor's note will be

sufficient in case of a medical emergency) within one week of the day of exam. Documents submitted after one week time will NOT be accepted and a mark of zero will be given.

Chapters to be covered: 1-8, 12-18, 20-23, 25