

SPRING 2017 - STAT 890 G100

STATISTICS: SELECTED TOPICS (4)

Applied Statistical Methods for Physiology and

Class Number: 4173 Delivery Method: In Person

COURSE TIMES + LOCATION:

Tu 2:30 PM – 4:20 PM

BLU 9660, Burnaby

Th 2:30 PM – 3:20 PM

AQ 3153, Burnaby

EXAM TIMES + LOCATION:

Apr 12, 2017

3:30 PM – 6:30 PM

SSCC 9002, Burnaby

INSTRUCTOR:

Steven Thompson

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Office: SC-K10556

Description

COURSE DETAILS:

Course Title: Applied Statistical Methods for Physiology and Kinesiology

Prerequisite:

A basic knowledge of statistics, typically a single course in your undergraduate degree. Please contact instructor if unsure of your background.

Course Description:

The use of statistical techniques and mathematical models in Biomechanics, Physiology and Kinesiology with special emphasis on experimentation, observational studies, and statistical model construction.

Course Outline:

Introductory Review.

Experimental data – single factor/ two factor/ split-plot/ repeated measures.

Linear and Logistic Regression

Observational Studies

Grading

Assignments	20%
Written Project	15%
Midterm	25%
Final Exam	40%

NOTES:

All grading is subject to change.

Materials

REQUIRED READING:

Thompson, S.K. Sampling, 3rd Edition, Wiley, available as ebook online through SFU Library

Schwarz, C. J. (2014), Course Notes for Beginning and Intermediate Statistics, available at <http://www.stat.sfu.ca/~cschwarz/CourseNotes>

GRADUATE STUDIES NOTES:

Important dates and deadlines for graduate students are found here: http://www.sfu.ca/dean-gradstudies/current/important_dates/guidelines.html. The deadline to drop a course with a 100% refund is the end of week 2. The deadline to drop with no notation on your transcript is the end of week 3.

REGISTRAR NOTES:

SFU's Academic Integrity web site <http://students.sfu.ca/academicintegrity.html> is filled with information on what is meant by academic dishonesty, where you can find resources to help with your studies and the consequences of cheating. Check out the site for more information and videos that help explain the issues in plain English.

Each student is responsible for his or her conduct as it affects the University community. Academic dishonesty, in whatever form, is ultimately destructive of the values of the University. Furthermore, it is unfair and discouraging to the majority of students who pursue their studies honestly. Scholarly integrity is required of all members of the University. <http://www.sfu.ca/policies/gazette/student/s10-01.html>

ACADEMIC INTEGRITY: YOUR WORK, YOUR SUCCESS