

INTRODUCTION TO BIOSTATISTICAL METHODS FOR HEALTH SCIENCES (3)*Class Number: 3553 Delivery Method: In Person*

Su

Mo 12:30 PM - 2:20 PM

SSCC 9001, Burnaby

We 12:30 PM - 1:20 PM

SSCC 9001, Burnaby

Dec 11, 2017

bMA

8:30 AM - 11:30 AM

GYM WEST, Burnaby

Su

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Any STAT course (except STAT 100), or BUEC 232, or ARCH 376. Statistics major and honors students may not use this course to satisfy the required number of elective units of upper division statistics. However, they may include the course to satisfy the total number of required units of upper division credit.

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By the end of the course the participant should:

1. understand the concept of a statistical model and how such models correspond to specific hypotheses or questions,
2. be able to interpret the results of an analysis in relation to the original questions or hypotheses that motivated the analysis,
3. be familiar with data analysis methods commonly used in health sciences and understand the basic limitations of competing methods,
4. be able to identify the statistical methods described in published health research papers,
5. be able to communicate effectively with statistical consultants.

Topics:

The scheduling of the following topics is approximate:

1. Review of introductory statistics: Hypothesis testing, estimation and confidence intervals for means and proportions.
2. Review of basic concepts of probability with applications including:

