Department of Epidemiology & Biostatistics  
Epidemiology 9516T:  
Analysis of Population Health Data

Time: Wednesday, 8:30 am – 11:30 am  
Location: Stevenson Hall, STVH1155 / Kresge Building, K7  
Instructor: Piotr Wilk  
Office Hours: By appointment  
E-mail: piotr.wilk@schulich.uwo.ca  
Phone Extension: 89109  
Teaching Assistant: TBD  
Office Hours: TBD  
E-Mail: TBD

Course Information  
This course will familiarize students with selected statistical methods for the analysis of health-related data. In this hands-on seminar, students will learn how to address some of the methodological challenges of working with survey data. Students will develop their analytical skills by conducting a comprehensive analysis of a selected public health problem and by completing all stages of the research project, from conducting literature reviews to presenting the results.

Prerequisite  
Epidemiology 9514R

Course Syllabus  
Week 1 (February 22): Introductions and course overview (STVH1155)  
Week 2 (March 1): Exploratory analysis of 2013/14 CCHS (K7) [Assignment 1]  
Week 3 (March 8): Key concepts (STVH1155)  
Week 4 (March 15): Applied linear regression (K7) [Assignment 2]  
Week 5 (March 22): Applied logistic regression (K7) [Assignment 3]  
Week 6 (March 29): Review (STVH1155)  
Week 7 (April 5*): Group projects: Formal presentations (TBD)  
* Date may change.
Course Materials
There are no mandatory textbooks for this course. The weekly readings will be available on OWL or Dropbox.

Recommended Books

Methods of Evaluation
1) Participation – 10%
2) Assignments – 30%
   a) Exploratory analysis of 2013/14 CCHS data – 10%
      - Assignment – 8% (Due March 5)
      - Peer Review – 8% (Due March 7)
   b) Linear regression – 10%
      - Assignment – 8% (Due March 19)
      - Peer Review – 8% (Due March 21)
   c) Logistic regression – 10%
      - Assignment – 8% (Due March 26)
      - Peer Review – 8% (Due March 28)
3) Group Projects (Objectives/Literature Review) – 20%
   - Final Draft – 15% (Due March 19)
   - Critical review – 5% (Due March 24)
4) Group Projects (Manuscript) – 40%
   - Presentation – 15% (April 5)
   - Final draft – 25% (Due April 19)

If for any reason you cannot meet one or more of the requirements, it is essential that you let me know in advance or as soon as you are aware of the situation.

Policy on Accommodation for Medical and Non-Medical Absences
For assignments worth 10% or more, refer to Western University’s Policy on Accommodation for Medical Illness: [https://studentservices.uwo.ca/secure/index.cfm](https://studentservices.uwo.ca/secure/index.cfm).

All non-medical absences must be approved in advance. In the case of an unexpected absence on compassionate grounds, documentation may be requested. If documentation is required by the instructor for either medical or non-medical academic accommodation, then such documentation must be submitted by the student directly to the appropriate Faculty Dean’s office and not to the instructor. It will be the Dean’s office that will determine if accommodation is warranted.
Policy on Recording Classes
Classes may not be audio-recorded without advance written permission from the instructor and other students, and may not be video-recorded. Permission will not be granted for classes involving unpublished materials from the instructor or others.

Statement on Academic Offences
Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf.

Support Services
As part of a successful student experience at Western, we encourage students to make their health and wellness a priority. Western provides several on campus health-related services to help you achieve optimum health and engage in healthy living while pursuing your degree. For example, to support physical activity, all students, as part of their registration, receive membership in Western’s Campus Recreation Centre. Numerous cultural events are offered throughout the year. Please check out the Faculty of Music web page http://www.music.uwo.ca/, and our own McIntosh Gallery http://www.mcintoshgallery.ca/. Information regarding health- and wellness-related services available to students may be found at http://www.health.uwo.ca/.

Students seeking help regarding mental health concerns are advised to speak to someone they feel comfortable confiding in, such as their faculty supervisor, their program director (graduate or undergraduate chair), or other relevant administrators in their unit. Campus mental health resources may be found at http://www.health.uwo.ca/mental_health/resources.html.

To help you learn more about mental health, Western has developed an interactive mental health learning module, found here: http://www.health.uwo.ca/mental_health/module.html. This module is 30 minutes in length and provides participants with a basic understanding of mental health issues and of available campus and community resources. Topics include stress, anxiety, depression, suicide and eating disorders. After successful completion of the module, participants receive a certificate confirming their participation.

Department & Faculty Offices
The Epidemiology & Biostatistics main office is located in K201 in the Kresge Building on Main campus.

Technology Requirements
You are responsible for all required course materials and announcements posted to the course’s OWL website. Please ensure after the first class that when you log in you are able to access the course site. A copy of the course outline will be available on both OWL and the departmental website.