Department of Epidemiology and Biostatistics

Epidemiology 2200B
Introduction to Epidemiology

Lecture: Tuesday: 3:30-5:30 p.m.  
Location: Kresge Building, K103  
Lab Time: Thursday 4:30-5:30 p.m.  
Lab Location: Kresge Building, K103  
Instructor: Neil Klar  
Office Hours: By appointment  
E-mail: nklar@uwo.ca  
Phone Extension: 86275

Course Information

Unless you have either the requisites for this course or written special permission from the Undergraduate Chair to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

Course Syllabus

Date Topics and Readings (Gordis) Tutorials and Assignments
Jan 10 Introduction to Epidemiology (Chapters 1 & 2)  
Jan 12 Tutorial 1 – John Snow Movie and Assignment 1 Posted  
Jan 17 Causation; Disease Transmission and Occurrence (Chapters 2 & 3)  
Jan 19 Tutorial 2 – Assignment 1 due and Assignment 2 Posted  
Jan 24 Measuring Occurrence of Disease, Natural History of Disease (Chapters 3, 4 & 6)  
Jan 26 Tutorial 3 – Assignment 2 due and Assignment 3 Posted  
Jan 31 Cohort, Case-Control, Cross-Sectional Studies (Chapters 9-11 &13)  
Feb 2 Tutorial 4 - Review Tutorial and Assignment 3 due  
Feb 7 Estimating Risk and the Potential for Prevention (Chapters 11 & 12)  
Feb 9 Tutorial 5 – Midterm Review  
Feb 14 Mid-Term Exam (In Class)  
Feb 16 Tutorial Cancelled  
Feb 20 CONFERENCE WEEK  
Feb 28 Bias, Confounding and Interaction (Chapter 15)  
Mar 2 Tutorial 6 - Assignment 4 posted  
Mar 7 From Association to Causation (Chapter 14)  
Mar 9 Tutorial 7 – Assignment 4 due and Assignment 5 posted  
Mar 14 Validity and Reliability, Diagnostic and Screening Tests (Chapters 5 & 18)  
Mar 16 Tutorial 8 – Assignment 5 due and Assignment 6 Posted  
Mar 21 Randomized Trials (Chapters 7 & 8)  
Mar 23 Tutorial 9 – Assignment 6 due and start final exam review
Mar 28 Meta analyses and systematic reviews
Mar 30 Tutorial 10 Final exam review
Apr 4 Course Review
Apr 6 Tutorial Cancelled

Notes will be posted on OWL before each lecture.

Course Materials
Custom Course Material (available at the U.W.O. Bookstore)

Methods of Evaluation

Assignments 6 (each worth 4%) 24%

Mid-term exam* (multiple choice/short answer) 30%

Final exam* (multiple choice/short answer) 46%

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.

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](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 pursing 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/](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.

For undergraduate academic counselling assistance, students will need to speak with the Bachelor of Medical Sciences Office: http://www.schulich.uwo.ca/bmsc/general-counselling.

**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.