

Health Administration (HADM) 379

Introduction to Epidemiology (Revision 2)

Delivery mode: [Individualized study online](#) 

Credits: 3



Area of study: Applied Study

Prerequisites: Professor approval and [HADM 336](#)

Precluded: None

Challenge: HADM 379 has a challenge for credit option.

Faculty: [Faculty of Health Disciplines](#) 

Status: Replaced with new revision, see the [course listing](#)
 for the current revision 

Overview



This introductory course in epidemiology provides an analysis of the epidemiologic approach to problems of health and disease. The basic principles and methods of epidemiology are presented in each unit of this course. The units are designed to provide the student with a basic understanding of epidemiologic methods and study design and the place of epidemiology in preventive and clinical medicine. This course is designed for students from a wide variety of backgrounds: health services, administrators, policymakers, practitioners, and clinicians.

Outline


HADM 379 is structured for independent study with interactive tutoring. The course comprises the following 10 units:


- Unit 1: Introduction to Epidemiology and Dynamics of Disease Transmission
- Unit 2: Measuring Disease Occurrence
- Unit 3: Study Design
- Unit 4: Biostatistical Concepts
- Unit 5: The Epidemiological Approach to Causation
- Unit 6: Prevention of Chronic Disease
- Unit 7: Communicable Disease and Dynamics of Disease Transmission
- Unit 8: Clinical Epidemiology
- Unit 9: Occupational and Environmental Epidemiology
- Unit 10: Health Policy and Planning

Evaluation


To **receive credit**  for HADM 379, you must achieve a **D (50 percent)**  or higher on each evaluation activity. The weighting of the course grade is as follows:


Activity	Weight
Assignment 1	20%
Assignment 2	20%
Midterm Online Exam	25%
Final Online Exam	35%
Total	100%

The **midterm and final examinations** for this course must be taken online with an AU-approved exam invigilator at an approved invigilation centre. It is your responsibility to ensure your chosen invigilation centre can accommodate online exams. For a list of invigilators who can accommodate online exams, visit the [Exam Invigilation Network](#) .

To learn more about assignments and examinations, please refer to Athabasca University's [online Calendar](#) .

Materials

Bonita, R., Beaglehole, R., & Kjellstrom, T. (2007). *Basic epidemiology* (2nd ed.). Geneva, CH: World Health Organization Press.  (Print)

Last, J. M. (Ed.). (2014). *A dictionary of epidemiology* (6th ed.). Toronto, ON: Oxford University Press.  (Print)

Other Materials

All other course materials will be accessed online.

Challenge for credit

Overview

The Challenge for credit process allows you to demonstrate that you have acquired a command of the general subject matter, knowledge, intellectual and/or other skills that would normally be found in a university-level course.

Full information about [Challenge for credit](#) can be found in the Undergraduate Calendar.

Evaluation

To [receive credit](#) for the HADM 379 challenge registration, you must achieve a grade of at least **C- (60 percent)** on the examination.

Activity	Weight
Examination	100%
Total	100%



[Challenge for credit course registration form](#)

Important links

- › [Academic advising](#)
- › [Program planning](#)
- › [Request assistance](#)
- › [Support services](#)

Athabasca University reserves the right to amend course outlines occasionally and without notice. Courses offered by other delivery methods may vary from their

individualized study counterparts.

Opened in Revision 2, August 20, 2008

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View [previous revision](#) 