





# Health Administration (HADM) 379

## Introduction to Epidemiology (Revision 3)

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

**Delivery mode:** Individualized study online 

**Credits:** 3

**Area of study:** Applied Study

**Prerequisites:** HADM 336 and HADM 399, or professor approval.

**Precluded:** None

**Challenge:** HADM 379 is not available for challenge.

**Faculty:** Faculty of Health Disciplines 

## 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 complete all assessments, achieve a course composite grade of at least **D (50 percent)** , and a grade of at least 50 percent on the Final Examination. The weighting of the composite grade is as follows:


Activity	Weight
Assignment 1	20%


Activity	Weight
Assignment 2	20%
Midterm Online Exam	25%
Final Online Exam	35%
<b>Total</b>	<b>100%</b>

The **midterm and final examinations** for this course must be requested in advance and written under the supervision of an AU-approved exam invigilator. Invigilators include either ProctorU or an approved in-person invigilation centre that can accommodate online exams. Students are responsible for payment of any invigilation fees. Information on exam request deadlines, invigilators, and other exam-related questions, can be found at the [Exams and grades](#) section of the Calendar.

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* (2<sup>nd</sup> ed.). Geneva, CH: World Health Organization Press.  (Print)

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

## Other Materials

All other course materials will be accessed online.

## 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 3, August 19, 2022*

*Updated March 8, 2024*

View [previous revision](#) 

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