AHLT 5807X - Epidemiology

Fall 2026 Syllabus, Section 02, CRN 44180,

Credit hours: 3

Instructor

Susan Kovach

Email: slkovach@ysu.edu

Public Instructor Information

Instructor Title: Instructor
Instructor Professional Qualifications: MPH of Public Health, NEOMED Consortium Youngstown State University 2003: BS Biology 1997:24 years experience in local public health
Instructor Office Location: None
Instructor Office Phone: None

Course Description

5807X. Epidemiology. A study of the interrelationships of the host, agent, and environment in determining the causation, frequency, and distribution of disease. Prereq.: AHLT 3708, AHLT 5840, AHLT 4806, or permission of instructor. 3 s.h.
A study of the interrelationships of the host, agent and environment in determining the causation, frequency, and distribution of disease.

Credits: 3
Course Prerequisites: AHLT 3708, 5840, 4806, or permission of instructor.
This course is designed to meet the requirements for an introductory course in epidemiology.

Students read and study chapters from Friis and Sellers *Epidemiology for Public Health Practice,* 5th edition. The course will cover chapters 1-12 of the text to provide an overview of: 1) the history and scope of epidemiology; 2) health measures (statistics) of morbidity and mortality; 3) an in depth look at important topics of descriptive epidemiology such as data sources, study designs, measures of effect, data interpretation, and screening; and 4) concepts associated with infectious disease epidemiology. Many of the concepts in this course require a deeper understanding of the health measures presented. Basic math skills and use of a calculator will be necessary for various calculations throughout the course.

Course Readings

Group	Title	Author	ISBN
Required	Epidemiology for Public Health Practice, 7th		

Course Readings

Epidemiology for Public Health Practice, 7th edition, Friis, Robert and Sellers, Thomas, 2014. ISBN: ISBN: 9781284221718

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Course Schedule

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
10/19	Module 1: • CDC website • Story of Typhoid Mary • Intro to Epi • Textbook: Chapter 1 • The Golden Lecture • Surveillance in a Suitcase: - Overview of Public Health Surveillance		Week 1 ends: 10/24 Assignments: • Graded Discussions Introduction, #1, 2: Due 10/24 Quizzes/Exams: • CDC Quiz: Due 10/24

10/26	Module 2: • Textbook: Chapter 2 & 3 • Modulele 4 Notes • SMR Notes •Demography Basics 3 Notes • ERIC Notebook Issue19 • Modu	Week 3 ends: 10/31 Assignments: • Graded Discussion #3,4: Due 10/31 Quizzes/Exams: • Demography Basics Quiz: Due 10/31 • If taking course for graduate credit , Graduate Assignment #1: Due 10/31
11/2	Module 3: • Textbook: Chapter 4,5,6 • Module 5 Notes • Content Guide • Module 6 Notes • Module 7 Notes • ERIC Notebook Issue 5	Week 5 ends: 11/7 Assignments: • Graded Discussion #5,6: Due 11/7 Quizzes/Exams: • Epidemiological Studies Quiz: Due 11/7 • If taking course for graduate credit , Graduate Assignment #2: Due 11/7
11/9	Module 4 • Textbook: Chapter 7 & 8 • Module 9 Notes • ERIC Notebook Issue 3 • Module 10 Notes • ERIC Notebook Issue 10	Week 4 ends: 11/14 Assignments: • Graded Discussion #7,8: Due 11/14 Quizzes/Exams: • Module 4 Quiz (Chapters 6-8): Due 11/14 • If taking course for graduate credit , Graduate Assignment #3: Due 11/14
11/16	Module 5: • Textbook: Chapter 9 & 10 • More details for page 367 • Module 11 Notes • ERIC Notebook Issues 17,18 • Module 12 Notes • ERIC Notebook Issues 8, 14, 15, and 16	Week 5 ends 11/21 Assignments: • Graded Discussion #9,10: Due 11/21 Quizzes/ Exams: • Measure of Effect Quiz: Due 11/21 • If taking course for graduate credit , Graduate Assignment #4: Due: 11/21
11/23	Module 6: • Textbook: Chapter 11 & 12 • Module 13 Notes • Intro to Emergency Preparedness • Module 14 Notes • EID Article on Cyclosporiasis	Week 6 Discussion ends: 11/28 Assignments: • Graded Discussion #11,12: Due 11/28 Quizzes/Exams: • Data Interpretation Quiz covering EID Article on Cyclosporiasis: Due 11/28 • If taking course for graduate credit , Graduate Assignment #5: Due 11/28
11/30	Module 7: • Foodborne Outbreak Scenario and Worksheet Final Exam Final Exam	Foodborne Investigation Project Due 11/28 Quizzes/Exams: • Final Exam: Due 12/4

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.