

**School of Health Sciences
Oakland University
Public Health 6500: Introduction to Epidemiology
Four (4) Credits, Winter 2018**

Instructor: Florence J. Dallo, PhD, MPH
Course Section: 12747
Office: 3146 Human Health Building (HHB)
Telephone: 248-364-8679
Email address: dallo@oakland.edu
Office Hours: Mondays at 9:00 am and Wednesdays at 8:00 am

Course Time: Tuesdays and Thursdays 3:30 pm – 5:17 pm
Classroom: South Foundation Hall, Room 272

Course Description	<p>This course introduces students to the basic concepts and methods involved in the study of the distribution and determinants of diseases in populations. Content will include types of epidemiologic research, biases in design and sources of error, as well as techniques for analyzing epidemiologic data.</p> <p>Prerequisite: Public Health 640 (Statistical Methods in Public Health)</p> <p><u>Required Readings:</u> Gordis, L. (2014). <i>Epidemiology</i> (5th ed.). Philadelphia, PA: Elsevier Saunders.</p>
---------------------------	--

Learning Outcomes	<p>By the end of the course students are expected to be able to:</p> <ol style="list-style-type: none"> 1. Integrate the epidemiologic approach to understanding disease and to developing the basis for interventions designed to modify and improve its natural history. 2. Use epidemiology to identify the causes of disease. 3. Apply epidemiology to major health issues, especially as it relates to evaluation and policy.
--------------------------	---

Competencies and Council on Education for Public Health (CEPH) Accreditation	<p><u>Profession & Science in Public Health</u></p> <ol style="list-style-type: none"> 1. Explain public health history, philosophy, and values 3. Explain the role of quantitative and qualitative methods and sciences in describing and assessing a populations' health. 4. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or the program. 5. Discuss the science of primary, secondary, and tertiary prevention in population health, including health promotion, screenings, etc. <p><u>Factors Related to Human Health</u></p> <ol style="list-style-type: none"> 8. Explain biological and genetic factors that affect a population's health. <p><u>Evidence-Based Approaches to Public Health</u></p> <ol style="list-style-type: none"> 1. Apply epidemiological methods to the breadth of settings and situations in public health practice. 3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.
---	--

Course Procedures and Expectations of Students	<p>All communication and musical devices are to be turned off and stored out of sight during the class. No text messaging is permitted during class. The use of laptops is prohibited, unless they are being used for group work.</p> <p>The University add/drop policy will be explicitly followed. It is the student's responsibility to be aware of the University deadline dates for dropping the course.</p> <p>Students with disabilities or circumstances who may require special considerations should make an appointment with the on-campus Office of Disability Support Services. Students should bring in writing their needs and required accommodations to the instructor as soon as possible.</p>
---	---

Academic Integrity	<p>The faculty of the School of Health Sciences believes that the conduct of a student taking courses in the School should be consistent with that of a professional person. Courtesy, honesty, and respect should be shown by students toward faculty members, guest lecturers, administrative support staff, and fellow students. Similarly, students should expect faculty to treat them fairly, showing respect for their ideas and opinions and striving to help them achieve maximum benefits from their experience in the School.</p> <p>Student academic misconduct refers to behavior that may include plagiarism, cheating, fabrication, falsification of records or official documents, intentional misuse of equipment or materials, and aiding and abetting the perpetration of such acts. The preparation of reports, papers, and examinations, assigned on an individual basis, must represent each student's own effort. Reference sources should be indicated clearly. The use of assistance from other students or aids of any kind during a written examination, except when the use of aids such as electronic devices, books or notes has been approved by an instructor, is a violation of the standard of academic conduct expected in this course. The Oakland University policy on academic conduct will be strictly followed with no exceptions. See catalog under Academic Policies and Procedures.</p>
---------------------------	--

Student Evaluation	<p>Students will be evaluated based on the following three components for a total of 100 points. All components will include multiple choice, matching, true/false and short answer questions.</p> <ol style="list-style-type: none"> 1. Quizzes (10 @ 5 points each = 50 points) 2. Review and critique of research articles (6 @ 4 points each = 24 points) 3. Final exam (26 points)
---------------------------	--

Grading Scale	A	100%-98%	4.0	B	89%-88%	3.5	C	79%	2.9	D	69%	1.9	F	<60%	0.0
		97%-96%	3.9		87%-86%	3.4		78%	2.8		68%	1.8			
		95%-94%	3.8		85%-84%	3.3		77%	2.7		67%	1.7			
		93%-92%	3.7		83%-82%	3.2		76%	2.6		66%	1.6			
		91%-90%	3.6		81%	3.1		75%	2.5		65%	1.5			
					80%	3.0		74%	2.4		64%	1.4			
								73%	2.3		63%	1.3			
								72%	2.2		62%	1.2			
								71%	2.1		61%	1.1			
								70%	2.0		60%	1.0			

A grade point of 2.5 or higher is required to get credit for the course in the MPH curriculum

Week	Date	Gordis Chapter(s)	Quizzes	Article Review
1	1/4	1		
2	1/9	3	Quiz #1	
	1/11	3		
3	1/16	4		Article 1
	1/18			
4	1/23	4	Quiz #2	
	1/25	5		
5	1/30	5	Quiz #3	
	2/1	6		Article 2
6	2/6	6		
	2/8	7		Article 3
7	2/13	7	Quiz #4	
	2/15	8		
8	2/20 & 2/22	NO CLASSES – WINTER RECESS		
9	2/27	8	Quiz #5	
	3/1	NO CLASS – DISSERTATION DEFENSE		
10	3/6	9	Quiz #6	
	3/8	10		Article 4
11	3/13	10	Quiz #7	
	3/15	11		
12	3/20	11	Quiz #8	
	3/22	12		
13	3/27	12	Quiz #9	
	3/29	14		Article 5
14	4/3	14	Quiz #10	
	4/5	15		
15	4/10	15		Article 6
	4/12	15		
16	4/17	Final Exam Review		
	4/19	Final Exam 12:00 – 3:00 pm		

