

Syllabus - HP 730
 Public Health Research and Epidemiology
 Fall 04 Mondays 5:00 to 8:00 pm
 WDL110

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Texts: 1. Epidemiology (3rd Edition) by Leon Gordis. Publisher: Elsevier Inc, 2004 ; ISBN: 0-7216-0362-2.

2. Epidemiology for Public Health Practice (3rd Edition) by Robert Friis & Thomas Sellers. Publisher: Jones and Bartlett, 2004; ISBN: 0-7637-3170-6

In addition to the text, other papers and materials will be available from the class website and assigned for reading along with the chapters with which they are associated.

Objective:

Provide the skills to understand and analyze public health issues by providing a basic understanding of epidemiological and other research methods.

Grading:

Mid Term Paper 30%
 Final Paper/Presentation 50%
 Class Participation/Other Assignments 20%

Assignments

Class	Date	Readings	Content
1	8/30/04		Introduction to class structure, text, course content and objectives, definition of epidemiology
2	9/6/04	Labor Day – No Class	
3	9/13/04	Obtain books and read Gordis, Chap. 1 & Chap. 19 Friis & Sellers, Chap. 1 & 2	Discussion of history and policy applications of epidemiological research
4	9/20/04	Gordis, Chap. 2 Friis & Sellers, Chap. 12	Overview of infectious disease epidemiology

Class	Date	Readings	Content
5	9/27/04	No Class Friis & Sellers, Chap. 5	Web based assignment
6	10/04/04	Gordis, Chap. 3 & 4 Friis & Sellers, Chap. 3	Discussion of measurement in epidemiological research
7	10/12/04 TUESDAY	Gordis Chap. 6 Friis & Sellers, Chap. 4	Discussion of descriptive and analytic epidemiology
8	10/18/04	Gordis, Chap. 9 & 10 Friis & Sellers, Chap. 6 & 7 Midterm project due	Discussion of epidemiological study designs
9	10/25/04	Gordis, Chap. 7 & 8 Friis & Sellers, Chap. 8	Discussion of experimental designs/clinical trial
10	11/1/04	Gordis, Chap. 11 & 12 Friis & Sellers, Chap. 9	Discussion of the measures of association
11	11/8/04	Gordis, Chap. 13 & 14 & 15 Friis & Sellers, Chap. 10	Discussion of causation and bias
12	11/15/04	Gordis, Chap. 18 Friis & Sellers, Chap. 11	Overview of disease screening
13	11/22/04	Gordis, Chap. 16 Friis & Sellers, Chap. 13 & 14	Examination of the epidemiology related to environment & genetics
14	11/29/04	Gordis, Chap. 17 Friis & Sellers, Chap. 15	Discuss epidemiology and evaluation of health services
15	12/6/04	Final Paper Due Presentations	Discussion of epidemiological issues & policy
16	12/13/04	Presentations Finals Week	

Mid Term and Final papers instructions to be handed out separately