

Population Based Management
CMH 744
4.0 Credit Hours

I. Course Description

This course will enable students to apply techniques of epidemiology and biostatistics to evaluate population-based health programs. In addition, students will become familiar with principles of public health, prevention, and health care quality management.

II. Course Objectives

By the end of this course, students will be expected to:

1. Learn basic techniques of epidemiology
2. Gain functional expertise of basic biostatistic methods
3. Apply analysis techniques and methods learned to manage the health of various target populations and in different settings
4. Develop an understanding of the concept of quality in health care and how it relates to population health management

III. Prerequisites

CMH 734 (Health Systems Management) or with permission of instructor.

IV. Required Text

- Velleman, Paul, ActivStats for Excel (2005-2006 Revised)
 - Students will need access to computers (preferably laptop computers) with CD-ROM capability. These are available on the WSU Main campus for students without personal computers. (Basement Dunbar Library, 025 Library Annex)
- Additional readings from the professional literature as assigned

V. Course Schedule and Topics

Week 1	The Health of the Public, Determinants of Health, and Health Disparities
Week 2	Politics and Policy
Week 3	Population-based Public Health
Week 4	Community-based Interventions for a Healthy Public
Week 5	Access to Health-related Services

Week 6	Cost Constraints, Financing, and Health Care Organizations
Week 7	Medicare, Medicaid, & SCHIP
Week 8	Contemporary Issues in Public Health (Bioterrorism, Women's Health, Long-term Care, and Tobacco)
Week 9	Quality Concerns
Week 10	Course Wrap-up

VI. Grading System

Students are expected to attend each class meeting session. If a student has a schedule conflict she/he should communicate this to the instructor prior to that class session. Class participation is a key component of this learning experience.

The Wright State University Grading Scale will be used to assign final course grades. Grades of incomplete are granted only if three conditions are met: 1) sixty percent of the work is already finished; 2) the request is made one week before the last class; and 3) the reason for the request is circumstances beyond the control of the student. Final grade assignments will be broken down as follows:

Midterm Exam	30%
Final Exam	30%
Presentation	20%
* Class Participation	20%

** 10% of the class participation is peer evaluation, 10% instructor evaluation*

Grading Scale:A	90 -100
B	80 - 89
C	70 - 79
D	60 - 69
F	0-59

Note: Late work will only be considered if a written request is made to the instructor one week prior to the due date of the assignment. Late assignments are generally NOT accepted.

This course follows the Wright State University Code of Conduct:
<http://www.wright.edu/students/judicial/conduct.html>