

NRS 411 Epidemiology

Credits: 3

Course Description

Epidemiology is the study of the distribution and determinants of death, disease and disability in human populations. In this course, students will learn the basic principles and methods of epidemiologic investigation; examine studies of the distribution and dynamic behavior of health determinants; understand etiologic factors, modes of transmission, and pathogenesis; and explore concepts in social epidemiology. Applying epidemiologic case studies, students will engage systems and complex thinking to evaluate programs and policies in population health and nursing.

Prerequisites: concurrent or prior to NSG 410A

Course Outcomes

1. Use basic terminology and definitions of epidemiology and population health
2. Calculate and interpret basic epidemiologic measures
3. Recognize types and limitations of basic study designs
4. Recognize the principles and limitations of population health screening
5. Apply epidemiologic concepts to population health practice
6. Use epidemiologic concepts to inform scientific, ethical, economic, and political discussions of population health

Format

This course is taught on-line asynchronously. Most assignments, postings and discussions are due late Sunday or early Monday. Any exceptions to this schedule will be announced in advance.

Required Reading

Brooks, Geraldine. 2002. Year of Wonders. Penguin Books. (You may also find this one used, cheap, but it too is available at the bookstore)

Other articles as assigned, available in Sakai and via OHSU library searches

Grading criteria 100 POINTS TOTAL

- 5 Yale quizzes: 5 points each, total of 25 points
- ATSDR quiz: 5 points
- Botulism quiz: 5 points
- E. Coli quiz: 5 points
- Gastroenteritis quiz: 5 points
- 7 On-line discussion forum topics: 4 points each, total of 28 points
- Windshield Assessment Part 1: 15 points
- Windshield Assessment Part 2: 12 points