A. Course Description

Credits: 2

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week:

MnTC Goals: None

This course focuses on the principles of epidemiology as a basis for advanced nursing practice with populations at risk. Students gain an understanding of epidemiology as the science of public health and community health nursing by examining the range of health problems and diseases affecting diverse cultures, races and ethnic groups. Upon completion of the course, students can apply the fundamentals of epidemiology to the structuring of health promotion interventions for high-risk groups.

B. Course Effective Dates: 08/24/2002 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Analyze an infectious disease problem and identify strategies for prevention of the disease.
2. Apply measures of health and disease in analyzing minority and majority populations at risk.
3. Critique an epidemiologic study.
4. Critique various epidemiological study designs used in advancing the science of health and disease.
5. Describe approaches and techniques for controlling confounded associations encountered in everyday public health practice.
6. Develop a screening strategy for a public health problem.
7. Explain strengths and limitations of commonly used epidemiological data.
8. Explain the conceptual foundations of epidemiology.
9. Identify biases encountered in research of health and disease.
10. Investigate an association between a risk factor, a health outcome, and potential confounding factor.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

None