

# Bemidji State University

## HLTH 3710: Disease Prevention and Epidemiology

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

An introduction to disease prevention, pathophysiology, and treatment of the most common communicable and chronic diseases in human populations. Focuses on the history and principles of disease occurrence in the context of environment and lifestyle choice. Students specifically examine risk factor management and the epidemiological data supporting the influence of physical activity in chronic disease prevention and management. Additionally, learners gain an introductory knowledge of epidemiology and biostatistics enabling them to successfully critique the scientific and educational literature. Prerequisites: For Community Health and Health Education majors: BIOL 1110, HLTH 3150, HLTH 3200, and HLTH 3500; For non-majors and the Health Promotion and Education minor: Consent of instructor.

**B. COURSE EFFECTIVE DATES:** 05/15/2013 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Primary, secondary & tertiary prevention
2. Importance of the individual responsibility for health

### D. LEARNING OUTCOMES (General)

1. identify common pathophysiological mechanisms of altered health and changes associated with or resulting from form common diseases.
2. explain existing and emerging approaches to disease prevention, including health assessment and health promotion techniques.
3. explain the major risk factors for most common communicable and chronic diseases and understand the role of epidemiological investigation in study of the distribution and determinants of disease.
4. understand the health burden of disease and differentiate between the population.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted