COMMON COURSE OUTLINE: Course discipline/number/title: HIMC 2620: Pathophysiology and Pharmacology I

A. CATALOG DESCRIPTION
   1. Credits: 3
   2. Hours/Week: 3
   3. Prerequisites (Course discipline/number): BTEC 1001, on-line tutorial, or the instructor’s permission is required when the course is offered online. College-level reading and writing skills.
   4. Co-requisites (Course discipline/number): None
   5. MnTC Goals (if any): NA

This course covers various specialty areas of medical practice, the function of the related body system, diseases that are common to that system and their causes, and medications commonly used for those diseases. Specialty areas covered are: gastrointestinal, urinary, reproductive, respiratory, and cardiovascular systems. Additional topics covered will be drug classifications, modes of administering medications, and characteristics of typical drug effects. Emphasis will be placed on disease processes, laboratory and diagnostic examinations, surgical procedures, and treatments relating to each system.

B. DATE LAST REVISED (Month, year): May, 2008

C. OUTLINE OF MAJOR CONTENT AREAS:
   1. Body function and organizational terms
      a) Levels of organization
      b) The disease process
      c) Radiographic imaging
      d) Introduction of pharmacology
         1. History of drugs
         2. Drug legislation
         3. Drug design, testing, manufacturing, and marketing
         4. Routes of administration
         5. Drug effects
   2. Body system structure, diseases, and treatments
      a) Digestive
      b) Urinary
      c) Reproductive
         1. Female
         2. Male
      d) Respiratory
      e) Cardiovascular
      f) Lymphatic

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Identify body function and organizational terms.
   2. Describe the disease process.
   3. Describe function, diseases, and treatments for the following body systems:
      a) Digestive
      b) Urinary
      c) Male Reproductive
      d) Female Reproductive
      e) Respiratory
      f) Cardiovascular
   4. List given disease causes of the above systems.
   5. List given disease symptoms of the above systems.
   6. List given disease treatments of the above systems.
   7. List medications (benefits and side effects) for the above diseases.
E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
   1. On-line discussions
   2. Textbook assignments
   3. Papers
   4. Tests

G. SPECIAL INFORMATION (if any): None