

HED 391 – STUDY OF HUMAN DISEASES

Sam Houston State University
College of Education and Applied Science
Department of Health and Kinesiology
Fall 2007

- Instructor:** Martha Bass
Health and Kinesiology Center – Rm. 217
P.O. Box 2176
936-294-1183
hpe_mab@shsu.edu
Office hours: as posted
- Text/Readings:** Hamann, B. (2001). *Disease: Identification, Prevention, & Control* (2nd edition). New York, NY: McGraw-Hill
- Course Description:** This course is an introduction to the relationship between the human body and disease, both communicable and non-communicable. Included are etiology, prevention and control, prevalence, symptoms, and treatment of disease
- Objectives:**
1. Develop a basic understanding of medical terminology as it relates to the study of diseases
 2. Develop a basic understanding of the human body in relation to the course of certain diseases
 3. Develop an understanding of transmission, causes, and stages of communicable diseases
 4. Become acquainted with historical aspects of communicable diseases
 5. Develop an understanding of the immune system
 6. Examine the causes, symptoms, prevention, and treatment of communicable diseases
 7. Acquire knowledge pertaining to epidemiological studies of disease
- Course Format:** Course format includes whole class and small group discussions, team research projects and presentations, and individual writing assignments. Evaluation consists of regular examinations, participation in group projects and presentations, individual assignments, and class participation.
- Course Content:**
- I. The History of Disease
 - II. Principles of Disease Occurrence
 - A. Theories of Disease Occurrence
 - B. Disease Agents for Infectious Disease
 - C. Disease Agents for Noninfectious Disease
 - D. Chain of Infection
 - E. Stages of Disease

- III. Cells and the Immune System
 - A. The Cell
 - B. Natural Nonspecific Immune Response
 - C. Acquired Immunity
 - D. Immune Disorders
 - E. Autoimmunity
- IV. Diseases Acquired through the Respiratory Route
 - A. Bacterial
 - B. Viral
- V. Diseases Acquired through the Alimentary Route
 - A. Bacterial
 - B. Viral
- VI. Bacterial Infections Acquired through Skin, Mucosa, and Blood stream
- VII. Cardiovascular and Cerebrovascular Disease
- VIII. Cancer
- IX. Chronic Respiratory, Digestive, and Excretory Diseases
- X. Nervous and Endocrine Disorders

Course Requirements:

1. Attendance – see attendance policy
2. Each student will participate in assigned readings, in class activities and discussion groups.
3. Notebook project – each student will compile a notebook of the essential characteristics of the diseases discussed in class.
4. Internet project/presentation – students will work in small groups to research a specific disease. Findings will be presented to the class using power point. Students will individually write and submit a paper on the disease topic.

Evaluation:

Exams (4 at 100 points each)	400 points
Notebook project	100 points
Internet project/presentation	100 points
Total	600 points

- A = 90% and above
- B = 80% - 89%
- C = 70% - 79%
- D = 60% - 69%
- F = < 60%

Attendance:

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. Regular and punctual class attendance is expected of all students. Justification for absences will be determined by the instructor. Students who know in advance that they will be absent are advised to inform the instructor prior to the absence. The following policy will be applied to all members of this class:

Perfect attendance	2% bonus on overall grade
1- 3 unexcused absences	no bonus or deduction
4 unexcused absences	3% deduction from overall grade
5 unexcused absences	5% deduction from overall grade
6 unexcused absences	10% deduction from overall grade
7 unexcused absences	Register again next semester!

Disability Statement:

It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request help with academically related problems stemming from individual disabilities from their instructors, school/department chair, or by contacting the Chair of the Committee for Continuing Assistance for Disabled Students and Director of the Counseling Center, Lee Drain Annex, or by calling (936) 294-1720.