



## SYLLABUS: HLTH 3391.01 (Fall 2017)

### Course Information

*Course:* HLTH 3391.01 – Study of Human Disease  
*Term:* Fall 2017  
*Meeting time:* Day(s) class meeting, time of class meeting, room of class meeting  
*Instructor:* Donna Gilbert  
*Teaching assistant:* n/a  
*Telephone number:* 936.294.3924  
*Email address:* dgilbert@shsu.edu  
*Office hours:* 8:00 a.m. – 5:00 p.m. M –F  
(by appointment only)  
*Office location:* Alumni Relations, John R. Ragsdale Visitor & Alumni Center, 2nd floor

### Course Description

HED 391 is an Introduction to the relationship between the human body and disease, both communicable and non-communicable. Includes historical aspects of various diseases, etiology, prevention and control, prevalence, symptoms, and treatment.

### Prerequisites

n/a

### Textbook and/or Resource Material

Highly recommended - Zelman, Tompary, Raymond, Holdaway, Mulvihill. Human Diseases – A systemic Approach.  
8th Edition. Pearson, 2015

### Course Objectives

The objective of this course is to explore the array of diseases affecting the systems of the human body and gain an appreciation for maintaining a healthy state of being through proper nutrition, life-style and disease prevention.

HED3391	<b>Course Objectives</b> <i>By the end of the course, you should be able to:</i>
Learning to apply course material	1. Develop basic knowledge of Human Diseases 2. Enhance critical thinking/problem solving.

Developing skill in expressing oneself orally or in writing.	<i>1. Enhance oral skills through individual presentation.</i>
Developing a clearer understanding of Human Diseases	<i>1. Become familiar with basic medical and disease related terminology 2. Become familiar with different views on disease prevention and treatment.</i>
Learning how to find and use resources for answering questions or solving problems.	<i>1. Locate and utilize (engage in) resources, services, and activities/events to familiarize yourself with the prevention and treatment of human diseases</i>

### Course Topics, Readings, Assignments and Dates

Week	Topic	Other Content & Assignments
1 August 23	Introductions & Ice Breaker, Syllabus Discussion Mechanisms of Disease -Chapter 1	Chose a disease that has affected you or a member of your family. <b>Write 1 page</b> - What are the risk factors? Is there a familial pattern to the disease? Prevention? <b>Due –September 13 – prior to the test</b>
2 August 30	Mechanisms of Disease - Chapter 2 Mechanisms of Disease - Chapter 3	<u>Chapter 2</u> What are 5 myths about HIV/AIDS? List the myths and briefly (1-2 sentences) tell us why it is a myth.  <u>Chapter 3</u> <b>Write</b> - a minimum of 3 pros and 3 cons about vaccination. Define herd immunization. What is it and how does it protect us from disease.
3 Sept. 6	Mechanisms of Disease - Chapter 4 Diseases of the Systems - Chapter 5	<u>Chapter 4</u> There are three main sources for obtaining stem cells – <b>Define</b> - adult cells, cord cells, and embryonic cells.

		<p><b>Write</b> - about issues pertaining to the ethics of embryonic stem cell research and how research is affected by the politics. <i>Reference source</i> – Planned Parenthood and anti-abortion groups</p> <p><u>Chapter 5</u></p> <p><b>Write</b> - What is Fetal Alcohol syndrome? Can a pregnant woman drink alcohol? If so, how much is allowed? Why that amount? What are the most recent statistics for Texas and for the US? In your opinion, what can be done to lower the rate of FAS?</p>
4 Sept. 13	<p><b>Test – Chapters 1- 5</b></p> <p><b>Discussion of family diseases prior to test</b></p>	DUE - Summary of disease in family
5 Sept 20	<p>Diseases of the System – Chapter 6</p> <p>Diseases of the Systems – Chapter 7</p>	<p><u>Chapter 6</u></p> <p><b>Bring a current article</b> (must be no older than 30 days) from a newspaper/ magazine (online or print) about cardiovascular disease. It cannot be information from WHO, NIC etc... The article can be about new research, new medicine, new treatment, statistics etc... Why did you pick this article?</p>
6 Sept 27	<p>Diseases of the Systems - Chapter 8</p> <p>Diseases of the Systems – Chapter 9</p>	<p><u>Chapter 8</u></p> <p>Look up the most recent influenza rates. <b>Write</b> - How did last year's rates compare to previous</p>

		<p>years? What is the forecast for this year?</p> <p><u>Chapter 9</u>  <b>Write</b> - How much does an adult liver weigh? What is jaundice? What is the most common cause of cirrhosis of the liver? Can cirrhosis be reversed? List and define one treatment option.</p>
7 Oct. 4	<b>Test 6-9</b> (test time will be post trip to DaVita Dialysis)	
8 Oct. 11	Diseases of the Systems - Chapter 10 Diseases of the Systems – Chapter 11	<p><u>Chapter 11</u>  <b>Write</b> - At least 3 pros and 3 cons for female using hormone replacement therapy. What is erectile dysfunction? Can lifestyle play a role in ED? What is the treatment for ED?</p>
Oct. 18	Diseases of the Systems – Chapter 12 Diseases of the Systems – Chapter 13	<p><u>Chapter 12</u>  <b>Bring a current article</b> (must be no older than 30 days) from a newspaper/ magazine (online or print) about diabetes. It cannot be information from WHO, NIC etc... The article can be about new research, new medicine, new treatment, statistics etc... Why did you pick this article?</p>
10 Oct. 25	<b>Test 10-13</b>	<b>Food Drive – extra credit for canned goods</b>

		(see me prior to class date if unable to donate for optional extra credit)
11 Nov. 1	Diseases of the Systems – Chapter 15 Diseases of the Systems – Chapter 16	<u>Chapter 15</u> <b>Write 1 or 2 Paragraphs</b> on parents giving their young children soft drinks or juice instead of milk. Is this a bad thing? How does it affect a child's development?
12 Nov. 8	Diseases of the Systems - Chapter 17	<u>Chapter 17</u> <b>Write 1 or 2 paragraphs</b> What is a pressure sore? What do you feel is an appropriate punishment for a nursing home if a resident gets a pressure sore that is so bad they must go to the emergency room. How can they be prevented? Treated?
13 Nov. 15	<b>Test 14-17</b>	
14 Nov. 22	<b>NO CLASS - THANKSGIVING</b>	
15 Nov. 29	Projects due and presentations	See handout on paper
16 Dec. 6	Presentations	

---

# Individual Research Assignment: Human Disease Investigation

---

**ATTENTION:**

**This paper is due on November 29, 2017.**

**Late papers will not be accepted.**

*Human Disease*

*Critical Thinking Project – Minimum 5 pages (not counting the title page and work cited page).*

You will begin your exploration of a disease you are interested in. Your presentation should include the following:

- a. Reason for choosing the disease. This can be one that has affected you in some fashion. It could be a disease that you fear or that you want to know more about.
- b. Overview of the disease
  - Symptoms, signs etc...
  - Demographics – people, places
- c. Additional information about the disease
  - Identify history of disease. When discovered, by whom, where, when
  - Current research on the disease. If there is no current research then reference past research that has changed how the disease is diagnosed, treated etc...
- d. Critical Thinking (should be at least half of your paper)
  - *Put yourself in the shoes* of the person with the disease and/or the family members – you will need to research this info also to understand what an individual goes through and what the family might experience
    - “A day in the life” of the person with the disease – emotionally, physically etc. How are family members impacted
    - Limitations, barriers, freedoms lost, stress associated etc.( for the person with the disease and family)
    - What aspects of life do you realize that you/patient might have taken for granted before diagnosis?
    - Support systems, websites, educational opportunities for person/family

e. What did this project teach you about disease?

A minimum of 5 sources needed, of those, no more than 3 internet sources. You must turn in a works cited page with your project. Be sure to cite correctly, use the writing center website as a guide: <http://www.shsu.edu/~wctr/handouts.html>.

**A presentation is required.** The presentation should be approximately 5 minutes in length. You presentation materials may include any of the following: powerpoint, prezi, trifold, brochures, video etc... in your presentation. The presentation portion of this assignment is worth 20% and the paper is 80% of the grade.

**EVERYONE MUST TURN IN PAPER AND PRESENTATION MATERIALS ON November 29 BY THE START OF CLASS.** Students will sign up (November 15, 2017) for presentation dates November 29 and December 6. Everyone is required to attend all presentations.