

**HLTH 3305
US Healthcare System**

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Class: Fridays
1:00 -3:45
HH 2.502

Course Description:

The American healthcare system is one of the best and is one of the worst. The American healthcare system offers the most advanced innovation in information and health technology. Yet, it manages to fail many of its own citizens. The American healthcare system spends over \$8,000 per patient per year, nearly double the next highest country, the United Kingdom. Yet, the Americans experience the highest rate of infant mortality, teenage pregnancy and diseases that can be prevented. The American healthcare system is plagued with disparity in quality of healthcare services.

In this class we will briefly explore the history of medical education in the United States; examine the influence of our social, cultural and other factors on our current health and well-being and healthcare system. We will discuss the basic concepts of epidemiology and medical anthropology before discussing the infrastructure of our healthcare system. We will spend a good portion of our time on Affordable Healthcare Act and its potential impact on our society. Additionally, we will discuss the latest changes in healthcare practice, laws, and technological trends that impact our current healthcare delivery system.

Course Objectives:

- 1) To identify the various components of the U.S. health care system.
- 2) To understand the different types of payment sources for health care.
- 3) To understand the role of the government in health care
- 4) To develop awareness of the complexity and interconnectedness of the multiple components of the health care system and their impact on providers
- 5) To learn, understand and analyze the latest trends and changes in American healthcare
- 6) To identify the value and benefits of teamwork and group approach
- 7) To learn and have fun while learning.
- 8) To recognize that our limitations are self-imposed and the sky is our only limitations

Course Requirements and Grade Policy:

Our health and well-being are consequences of our personal experiences and knowledge. Therefore, I strongly encourage class participation, discussion and share of thoughts and ideas. Throughout the course, I will share with you published articles, experts' opinions, communication, the latest disseminated innovations and changes related to our healthcare system. *You are required to study these handouts and prepare an excerpt of these articles based on your understanding.* These handouts will be reviewed during our regularly scheduled class time; quizzes will cover these handouts as well as the lectures.

Group Assembly and Preparation for Group Presentation and Final Group Paper:

After September 7th, the last day to drop a class without a "W", the class will be divided into groups of four/five members. Each group will be assigned with a general topic for research. Each group will be expected to give a 15-minutes presentation which will be followed by 10-minutes question and answer period. Each group is expected to finalize their presentation into a 10-page manuscript. Three consecutive sessions will be allocated for group presentations. Each group is expected to turn in the final manuscript one-week post presentation.

Other Course Administrative Issues:

Our class is scheduled as a 3-hour session once per week. We will take a 10-minute break after the first and the second hour. Each session will commence on the hour and will end 15-minutes before the hour.

Should there be a need to leave the class during the lecture, students must egress the class-room without disturbing other students.

Cell phones/electronics are turned off during class time.

UTD email: All university and course communication is conducted via the student's UTD email account. It is the student's responsibility to check UTD email and respond accordingly.

Arriving late is disruptive to class activities and may affect your attendance and participation grade. If you have a legitimate reason for being late, please inform your instructor ahead of time.

Course syllabus, handouts and copies of lecture slides will be posted on e-blackboard. Students are required to check the e-blackboard on a regular basis.

Recommended Textbooks:

An Introduction to the U.S. Health Care System

7th Edition

Authors – Raymond L. Goldsteen and Karen Goldsteen

Springer Publishing Company

ISBN: 978-0-8261-0930-9

The Healthcare Cure

How Sharing Information Can Make the System Work Better

Author- Jeff Margolis

Prometheus Books

An Introduction to the U.S. Health Care System

5th Edition

Author: Steven Jonas

Springer Publishing Company

New York

Grading and Grading Policy:

Class Attendance and Discussion/Participation	20%
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Discussion of papers/handouts	15%
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Five papers will be distributed throughout the semester. Students are expected to study the paper, provide an excerpt/compendium of the paper per their understanding and answer questions. Practice of cut and paste from the Web will be considered as plagiarism.

Pop Quizzes	15%
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A total of three unannounced quizzes will be given throughout the semester. Each quiz will count 5% of your total grade.

Group Presentation	30%
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Group Paper	20%
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Grade Classification

A	90-100
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B	80-89
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C	70-79
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D	60-69
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F	≤59
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Course Schedule and Lecture Topics:

Session	Date	Description
1	August 26	Introduction: Overview of syllabus Over view of US healthcare issues Health Statistics of the US population
2	September 2	US Healthcare System: An Introduction An over view of the US healthcare system US healthcare historical background Socio-political events that have influenced US healthcare system Flexner Report and its impact on the structure of medical training in the US Nursing profession and its impact on the US healthcare system in the US PA profession and its impact on the delivery of care in the US Public health sector and its impact on the US healthcare system

Assignment 1: 100 Years After the Flexner Report: Reflections on Its Influence on Chiropractic Education. J of Chiropractic Education 2010; 24:145-152. Based on your understanding and review of on-line resources, write a two-pager compendium of this review. Due on 9/9.

3	September 9	Turn in Assignment 1 Review of Assignment 1 Lecture: Institutions A: Hospitals Classification: Size/Number of beds, Type/Designation by Disease Ownership and Length of Stay B: Hospital Structure: Administration, Medical Departments, Other Hospital Healthcare Divisions Hospital Governance C:US Healthcare System and Hospital Challenges 1. Electronic Medical Records 2. Cost Saving Measures 3. Patients' Data Safety and Security 4. Robots vs. Humans 5. Dealing with un/under-insured patients
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Assignment 2: Legal and Policy Intervention to Improve Patient Safety; Circulation 2016; DOI: 10.1161/CIRCULATIONAHA.115.015880. Due on 9/16. Write a compendium of this review. Two page maximum. Due on 9/16

4	September 16	Turn in assignment 2 Review assignment 2 Lecture: Institutions A: Primary and Ambulatory Care 1. Definition and Description of Functions 2. Utilization B: Hospital Outpatient Departments 1. Utilization 2. Staffing C: Hospital Emergency Services D: Public Health Agency Clinics E: Neighborhood and Community Health Centers F: Homecare and Hospice
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Our session will be short. The rest of session will be dedicated for students to form their groups and to discuss their research topics.

5	September 23	Lecture: Healthcare Financing and Payment A: Sources of fund for US healthcare? B: How do we spend it? 1. Private Health Insurance 2. Out of Pocket Expenditure 3. Governmental Health Insurance a: Medicare Brief History of Medicare Medicare Coverage b: Other Governmental Health Insurance Medicaid Dept. of Defense Dept. of Veteran Affairs
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We will talk about the format of the presentation and the format of your manuscript.

Assignment 3: Health Plan Features: Implications of Narrow Networks and the Trade-Off between Price and Choice. Academy Health. Write a compendium of this review. Two page maximum. Due on 9/30.

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| 6 | September 30 | Turn in your assignment
Review of assignment 3
Lecture: US Government and US Healthcare System
A: Description of three branches of US government
With health and safety of public
B: Provision of healthcare by categories of person
C: Department of Health and Human Services <ol style="list-style-type: none"> 1. Agencies under DHHS <ol style="list-style-type: none"> a: Food and Drug Administration b: Centers for Disease Control and Prevention c: Agency for Healthcare Research & Quality d: National Institutes of Health e: EPA f: OSHA D: Department of Agriculture |
| 7 | October 7 | Lecture: Healthcare Reform
Affordable Healthcare Act (ACA) of 2010
A: Background: Efforts to reduce cost of care in the US <ol style="list-style-type: none"> 1. Health Maintenance Organization B: Objectives of ACA
C: Why ACA
D: What does ACA offer |

We will have short classes starting 10/7/2016; Students are expected to dedicate the remainder of class time to work on your group project and group paper.

Assignment 4: Biomarker Tests for Molecularly Targeted Therapies- The Key to Unlocking Precision Medicine, New England Journal of Medicine 2016; 375:1:4-6. Write a compendium of this review. Two page maximum. Due on 10/14.

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| 8 | October 14 | Turn in your assignment
Review of assignment 4
Lecture: Precision Medicine (PM)
A: Description
B: Why should we move toward PM
C: PM has been implemented (to some degrees)
in today's healthcare delivery; we will talk about examples |
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Short class; Class time should be dedicated to work on your group project and group paper.

Assignment 5: Integrating Electronic Health Record Genotype and Phenotype Datasets to Transform Patient Care. Clinical Pharmacology & Therapeutics 2016; 99:298-305. Write a compendium of this review. Two page maximum. Due on 10/21.

9	October 21	Turn in assignment 5 Review of assignment 5 Lecture: Electronic Health Records, electronic databases, use of robots and robotic devices in the delivery of healthcare
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We will have shorter classes so that time can be dedicated to work on your group project and group paper.

10	November 4	Group Presentation
11	November 11	Group Presentation
12	November 18	Group Presentation
13	November 25	NO CLASS
14	December 2	Papers are due, course summary and wrap up