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Principles of Health Science Course Syllabus 2022-23

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Office Hours: Monday (3:25pm-4:10pm) & Tues-Fri (1:50pm-2:35 pm)

Course Content

Principles of health science provide an overview of the therapeutic, diagnostic health information, support services, bio-technology research and development system of the healthcare industry. Students will learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students will learn that quality healthcare depends on the ability to work well with others. Students will develop a concept of health and wellness from the perspective of a health consumer as well as a potential professional in the healthcare industry.

Text

The textbooks for the course are as follows:

- Introduction to Health Science, GW publishers

About the Teacher

I was born and raised in Houston. I worked at HEB as a pharmacy technician for 18 years. Got recruited to work for HISD teaching health science. I graduated from University of Houston Downtown with a Bachelor of Science in psychology in 2021. I am currently taking courses toward a master's degree in curriculum and instruction at Houston Baptist University.

Ongoing Objectives

- By the end of this course, the student demonstrates professional standards/employability skills as required by business and industry.
- The student assesses career options and the preparation necessary for employment in the health science industry.
- The student implements the leadership skills necessary to function in a democratic society.

Portfolio

You are required to maintain an organized portfolio for the course. It will be submitted as a grade during each grading cycle. Portfolio dividers, including electronic portfolios, will be discussed in class.

Grading Scale

Everything has a point value. If a vocabulary quiz has 11 questions, there are 11 possible points for you. If a section test has 20 questions, there are 20 possible points for you. If an exam has 72 questions, there are 72 points. Simply divide the points you receive by the number of possible points to get your percentage.

Attendance and Participation

Attendance and participation are required; it is difficult to learn the content if you are not present in class. Your class participation and attendance can be a deciding factor if your class average straddles two grades. Be sure to see me about any missed work if you are absent.

Daily Required Materials

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| 1. laptop | 2. pen | 3. 1 subject spiral notebook | 4. paper |
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Unit Overviews

Unit 1: Employability Skills, Career Options and Preparation

This unit allows students to explore business and industry employer expectations. Teamwork, communications skills, punctuality, attendance, time management, organizational skills, and productive work habits are emphasized. Students also identify career options and the corresponding pathway for a health science career.

Unit 2: Using Data and Measurement in Health Science

In this unit students look at the many ways data and measurements influence health science. The metric system, reading charts and graphs, and interpreting data are covered. Students will also plan and prepare oral presentations and practice using precise language to communicate ideas.

Unit 3: Wellness Principles in Health Science

Maintaining wellness is a key concept in health science. This unit will look at biological and chemical processes that influence wellness. Students analyze how an individual can maintain wellness throughout their life span along with stages of development, Maslow's Hierarchy of Needs and stages of development being covered.

Unit 4: Research and Analysis in Health Science

Understanding the health care system is vital to those looking to make it a career. This unit looks at the history of modern health care along with state, local, and national influences. Health care varies greatly from state to state, and from nation to nation. Differences are explored along with the tremendous economic impact the health care industry has on any country's economy.

Unit 5: Communication Skills in Health Science

Students learn about effective communications in the unit. Verbal and nonverbal communication is explored along with conflict resolution techniques.

Unit 6: Leadership Skills and Teamwork

Leadership skills such as goal setting and team building are evaluated. Students also identify traits of effective leadership. The concept of the multidisciplinary team along its role in healthcare are explained.