Michael E. DeBakey High School for Health Professions

SYLLABUS

COURSE: Principles of Health Science

INSTRUCTOR: Dr. Boughaba

**Email:** [fadia.boughaba@houstonisd.org](mailto:fadia.boughaba@houstonisd.org)

# REQUIRED SUPPLIES:

1-1/2 inch three-ring binder with plastic covers front and back

Pen and pencil, highlighter

Dividers (10), loose leaf paper

**Student Resources:** Career and Readiness:Intro To Health Science: Pathways to Your Future-Online Student Center, Pearson Career and Technical Education Texas Platform

**COURSE DESCRIPTION:**

Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, supportservices, and biotechnologyresearch and development systems of the health care industry. Students will learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students will learn that quality health care 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 health care industry.

GRADING POLICY:

* 1. **40%** Projects and Major Classwork
  2. **25%** Tests
  3. **15%** Participation/Warmups/Engagement
  4. **20%** Quizzes

**Electronic Device Policy: See School Cell Phone/Smart Watch or Electronic Device Policy.** Cell Phones/Smart Watch or any Electronic devices cannot be in the student’s possession during any tests or quizzes. Cell phone use in the classroom is up to the teacher’s discretion.

COURSE OUTLINE

**FIRST SEMESTER**

1. **Orientation to Principles of Health Science**
   1. Introduction to the DeBakey High School for Health Professions
   2. Student Organizations – HOSA, BETA
   3. Chronicle Life of Heart Surgeon – Dr. Michael E. DeBakey
2. **Safety** 
   1. Body Mechanics
   2. Patient Safety
   3. General Safety
   4. Fire Safety

3. **Communication**

Verbal/Nonverbal Communication Skills

**4. Cultural Diversity**

Understanding and Respecting Cultural Diversity

1. **Understanding Basic Human Needs**
   1. Maslow’s Hierarch of Human Needs
   2. Life Stages
2. **Leadership Development**
   1. Leadership Organizations – HOSA, BETA
   2. Parliamentary Procedure
3. **History of Medicine**
   1. History of Healthcare
   2. Healthcare Systems

SECOND SEMESTER

1. **Personal Qualities of a Healthcare Worker**

**a**. Leadership

**b**. Teamwork

**c**. Communication

1. **Careers in Healthcare**
   1. Self- Appraisal
   2. Decision Making Process
   3. Survey of Health Careers
2. **Introduction to Medical Terminology**
   1. Basic Word Structure
   2. Vocabulary and Word Roots
   3. Medical Abbreviations
3. **Anatomy and Physiology** 
   1. Body Planes
   2. Directional Terms
   3. Cavities
   4. Basic Structure of the Human Body
   5. Overview of the Body Systems
4. **Medical Ethics and Legal Behavior**
   1. Legal and Ethical Responsibilities
   2. Patient Rights
5. **Nutrition and Wellness**
   1. Health Issues of Teenagers
   2. My Plate

**Course HUB**

No textbooks are issued for this class. Class power points and notes are in the student POHS class HUB. However, a medical terminology workbook will be issued for the medical terminology unit second semester**.**

**Course Binder**

Students will be required to keep a binder and bring it to class every day. Periodic binder checks will occur for a six weeks grade. This grade will count as one major test grade. To receive the maximum points allowed, students should keep their binder organized and current. Instructions on how the binder should be arranged will be discussed in class. Binder checks may be randomly conducted.