

Health Science Technology Education 2021-2022

Syllabus

Charles H. Milby High School

1601 Broadway Street Houston, Texas 77012

Instructor: Jose San Miguel

Telephone: 713-928-7401

E-mail: Jose.SanMiguel@Houstonisd.org

Room: 2200

Conference Time: 1st Period - Please call or e-mail to schedule an appointment.

- **Principle of Health Science (One Credit)**

- Textbook-Introduction to Health Science Technology-By Louise Simmers**

- The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others. The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, limitations and understand the implications of their actions.

- Health Science (Two Credits)**

- Textbook- Health Care Science Technology- By Kathryn Booth**

- The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation and career preparation learning. To pursue a career in the health science industry, students should recognize, learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others. The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and

collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

### **Practicum in Health Science (Two Credits)**

#### **Textbook- Diversified Health Occupations- By: Louise Simmers**

Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others. The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions.

### **Classroom Rules:**

- Be on time to class
- Be prepared with class supplies and an open mind FOR LEARNING
- Respect one another
- No Cell phone usage without the teacher's permission
- No electronic devices
- No eating without the teacher's permission

### **Consequences for violation of Norms:**

- First offense-verbal warning
- Second offense – contact parents/detention
- Third offense-Referral to Assistant Principal (AP)

**Note:** Students out of uniform, cell phone and electronic device offenses will be immediately sent to the Assistance Principal.

### **Grading Policy:**

Class Work/Clinical	45%
Home Work	10%

Quizzes	15%
Test/projects	30%

**Grading Scale:**

A-90-100

B-80-89

C-75-79

D-70-74

F-<69

**Late work:**

Late work will only be accepted one class day after the due date. Twenty points will be deducted from all late work turned in after the due date.

**Make-up work:**

When a student is absent, he or she has at least five school days to make up his/her work after returning to class.

**Class Supplies**

- **Three ring - three inch binder**
- **Dividers with tabs**
- **Blue or Black Pens**
- **Pencils**
- **Highlighters**
- **Notebook Paper**

**Course Outline**

- **Safety and Government Regulations**
- **Infection Control**
- **Leadership**
- **Communication**
- **Employability Skills and Professionalism**
- **Personal Qualities of Health Care Workers**
- **Legal and Ethical Responsibilities**
- **Body Systems Structures and Functions**
- **Cardiopulmonary Resuscitation**
- **First Aid**
- **Health Care Careers**
- **Health Care Systems**
- **Medical Terminology**
- **Nutrition**
- **Vital Signs**
- **Pharmacy Tech Certification when applicable**

I, \_\_\_\_\_ have read, understand and acknowledge to abide by the Health Science Technology guidelines, norms/rules as stated above.

---

Students Signature

Date

---

Parent Signature

Date