# HEALTH SCIENCE COURSE SYLLABUS

**Course Title:** Therapeutic Services

**Course Description:** Therapeutic Services is a one-credit course designed to inform students of the rapid changes in business and industry through a rigorous array of course work and work-based experiences to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet healthcare demands in the community. Students are introduced to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician and others.

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

**CTSO:** Future Health Professionals (HOSA)\*

\*All students are encouraged to join HOSA. Membership is optional, not required. HOSA dues are $20 per year. Payment made through PayPams by Friday, October 4th. Fee covers state and national affiliation.

HOSA is an integral, co-curricular component of each health science education course. This organization serves as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

**Course Fees:** In order to maintain the high standard of instruction, it is necessary to charge some fees in order to provide dual enrollment credit, laboratory, certifications, and expendable materials necessary to maximize instruction.

The course fee is $50.00 payable through PayPams. Due date for fees: Friday, October 4th.

**Prerequisites:** Foundations of Health Science and Medical Terminology with a grade of “C” or better.

# Course Goals:

Students will learn how to:

Follow safety procedures

Perform quality work

Demonstrate effective workplace and employability skills

Demonstrate effective infection control techniques

Demonstrate knowledge of Health Science standards with a minimum of 70% accuracy Develop skills needed to be a contributing and productive member of society

**Essential Question(s):** How will integrating and incorporating medical terminology into instruction regarding human body structures and functions and the disease process assist a health care worker succeed in the 21st century? What roles and responsibilities are involved with therapeutic services careers?

# Course Outline:

Week 1 Orientation/ Safety Week 7 Anatomy/Medical Procedures/Patient Care

Week 2 Employability Skills/Communication Week 8 Anatomy/Medical Procedures/Patient Care

Week 3 Career Opportunities Week 9 Diseases/Disorders

Week 4 Legal and Ethical Implications Week 10 Health Technology

Week 5 Medical Math Week 11 Billing Codes/Therapeutic Services

Week 6 Anatomy/Medical Procedures/Patient Care Week 12 Review and Tests

**Instructional Philosophy:**

The Health Science philosophy is to provide an environment for developing proper skills, knowledge, safety habits, work ethics and pride in achievements.

Students will be expected to meet all the course goals and to demonstrate their understanding of the underlying concepts. Instruction methods will be lecture, videos, computers, demonstration, question and answer, laboratory, guest speakers and hands on application. The course requires students to use academic skills, such as Mathematics, Science, and Language Arts. Students will be expected to take part in discussions, work in groups, work individually, and complete homework assignments and complete assignments on time.

* **Please note that all students in the Health Science Program are exposed to all aspects of the human body. This information may be in the form of videos, speakers, lectures, images, power points, assignments, or field trips. ALL materials in the classroom are important for student learning. If you have concerns regarding learning activities, please contact me by letter. Failure to respond in writing will automatically submit your approval.**

**Assessment Procedures:**

Student assessment will be based on attendance and participation in class, daily work, performance tests when applicable, and course projects. If necessary, students will be provided remediation for course standards. Students will complete all course requirements at a minimum of 70% accuracy to pass the course.

# Grading Scale:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 59 and below

**Attendance/Make up Work:** The school policy will apply. **It is the student’s responsibility to make up work upon returning from an absence and schedule make up times with the instructor at the instructor’s convenience.** Exams and assignments given during the absence must be made up within **three** days of returning to class. However, if a student is absent on an exam day/assignment day and the exam/assignment was scheduled prior to the student being absent, the student will make-up the exam/assignment upon returning to class.

Students who miss class due to school related activities must make arrangements with the instructor prior to the absence. Advanced assignments and tests/exams will be turned in and taken prior to the time of absence.

* **Failure to make up work/exams during the allotted time will result in a zero.**

**CTE Dual Enrollment Credit Opportunity:**

1. Therapeutics of Health Science – University of Mobile – Health Science Elective – NU 198
2. Internship of Health Science – University of Mobile – Health Science Elective – NU 199

\*Must maintain a “C” average for credentialing

**Information on Plagiarism:**

You will be required to adhere to the University of Mobile’s academic integrity policy and Saraland High School’s cheating policy.  All turned-in work (other than group assignments) is expected to be the original product of you, the individual student.  Claiming another’s work as your own is plagiarism.  This includes turning in assignments that are partially or wholly taken without attribution from another student’s work, from print sources, or from electronic sources. The penalty for plagiarizing any assignment is automatic failure of that assignment, and I will report any plagiarism or cheating to the administration. **All writing assignments will be submitted to** [**www.turnitin.com**](https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.turnitin.com%2F&data=05%7C01%7Ctthames%40saralandboe.org%7C1968cda1db9b43b7c0a208db942f7ae0%7C9b0ec08b36c8415aabd7681cdf174482%7C0%7C0%7C638266703891766680%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=pZZXrRC0iP1A7N115mRwCUWfzcTSHguGm8Lt1O6zpis%3D&reserved=0) **to check for plagiarism. If students do not already have an account, they will need to create one in class.**

**Cheating:**

* Cheating **WILL NOT** be tolerated. The school’s disciplinary policy, as listed below, will be strictly enforced. This includes plagiarism and cheating on homework, tests, projects, etc.

1st Offense: Grade of zero given by teacher; admin referral

2nd Offense: Grade of zero given by teacher; removed from all dual enrollment classes; change of diploma status

**Cheating includes any form of providing questions or answers to in-class quizzes or tests. Both the provider and copier will be punished. Giving someone your work to look at counts as cheating. Using AI tools to generate essays also counts as cheating. If a detection is made by** [**www.turnitin.com**](https://nam04.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.turnitin.com%2F&data=05%7C01%7Ctthames%40saralandboe.org%7C1968cda1db9b43b7c0a208db942f7ae0%7C9b0ec08b36c8415aabd7681cdf174482%7C0%7C0%7C638266703891766680%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=pZZXrRC0iP1A7N115mRwCUWfzcTSHguGm8Lt1O6zpis%3D&reserved=0)**, the student’s grade will be affected.**

**Culminating Product(s):**

Therapeutic Career Profiles; Skills performance checklists for various therapeutic skills; Presentation describing roles and responsibilities of therapeutic service careers; Successful assessment of knowledge related to legal and ethical aspects of therapeutic service careers; Successful assessment of knowledge and skills involving anatomy, safe practices, medications, diseases, disorders, and technology related to therapeutic services.

**Embedded Numeracy and Literacy Anchor Assignment:**

To apply literacy and numeracy skills in analyzing and solving healthcare case scenarios. Students will develop and demonstrate their abilities to interpret clinical data, communicate findings, and make informed decisions based on their analysis.

**Task:** Analyze a healthcare case scenario and write a detailed report.

* Review the provided case scenario which includes patient history, symptoms, diagnostic results, and treatment options.

**Task:** Analyze numerical data related to the case scenario.

Use the provided numerical data, such as lab results, vital signs, or test scores related to the case scenario.

* Calculate key statistics such as means, medians, and ranges for the data.
* Perform any necessary calculations such as drug dosages or treatment durations.
* Create visual aids such as bar charts, pie charts, or line graphs to represent the data.
* Write a brief analysis of what the numerical data indicates about the patient’s condition and the effectiveness of proposed treatments.

**Task:** Prepare a presentation that integrates findings from Parts 1 and 2.

* **Content**:
  + Summarize the case scenario, diagnosis, treatment plan, and data analysis.
  + Highlight key points such as proposed treatments, expected outcomes, and data insights.
* **Visuals**:
  + Include graphs, charts, and relevant images to illustrate your findings.

**Available Student Industry Credentials/Career Readiness Indicators (CRIs):** AHA CPR – Healthcare Provider

**Disclaimer:**

Saraland High School will abide by any/all state and local health agencies’ directives regarding COVID-19.

**Generative Artificial Intelligence Statement**:

This course will allow—in some cases, even encourage—the use of generative artificial intelligence (GAI) techniques in some assignments. Unless otherwise indicated, the default is that this kind of use is prohibited. GAI use must be recognized and referenced. Academic misconduct will be the result of breaking this policy and could result in loss of credit for the assignment(s) as referenced in the cheating policy in the Saraland City Schools’ Student Handbook. It is the student's responsibility to follow the requirements of each course or assignment.

**Conferences:**

I welcome the opportunity to answer questions and concerns as well as share my own. Parent-teacher conferences may be scheduled during my planning period. These conferences may be done in-person or by phone. You may contact me through email at tthames@saralandboe.org