

Allied Health Careers, Semester A

Credits: 0.5

Course Overview and Goals

Allied Health Careers, Semester A, is the first part of a two-semester course. The course begins with an overview of the health care delivery system and allied health services. You will also be introduced to medical terminology. As you progress in the course, you will learn about the structures and functions of various human body systems. You will become familiar with common diseases and disorders that affect each body system along with their diagnosis, prevention, and treatment. Additionally, you will explore the strategies and factors that influence health and wellness. Finally, you will learn about diagnostic imaging, electrocardiography, lab tests, and respiratory care.

This course consists of 17 lessons organized into four units, four Unit Activities, and four Discussions. Additionally, there is one Course Activity and one Course Project that you need to work on throughout the course. Each lesson contains one or more Lesson Activities. You will grade your work in the Lesson Activities by comparing it to sample responses. You will submit the Unit Activities, Course Activity, and Course Project to your teacher for grading.

By the end of this course, you will be able to do the following:

- ❖ Examine careers and career requirements in allied health services.
- ❖ Differentiate between the structures and functions of human body systems.
- ❖ Use medical terminology in appropriate ways.
- ❖ Analyze wellness strategies and services.
- ❖ Compare diagnostic techniques and tests.

UNIT 1: UNDERSTANDING THE BASICS (DAYS 1 – 16)

In this unit, you will learn about the health care delivery system. You will identify various allied health professions. You will explore the basic structure of the human body and list different body systems. You will identify the basic stages of growth and development. You will learn about the importance of health care professionals using appropriate medical terminology. You will identify, interpret, and use medical terms, abbreviations, acronyms, and symbols.

Lesson	Lesson Objective
Syllabus and Orientation	Review the Student Orientation and Course Syllabus at the beginning of this course.
The Health Care Delivery System	Recognize the health care delivery system and identify careers in allied health services.
Anatomy, Physiology, and Stages of Growth	Identify the human body's structure, systems, and stages of growth.
Medical Terminology	Demonstrate proficiency in medical terminology.

UNIT 2: HUMAN BODY SYSTEMS 1 (DAYS 17 – 37)

In this unit, you will learn about the structures and functions of various human body systems such as the musculoskeletal system, integumentary system, digestive system, and endocrine system. You will identify common diseases and disorders of each system. You will learn about the causes, signs and symptoms, risk factors, and complications of these diseases and disorders. You will describe the diagnosis, prevention, and treatment of diseases and disorders of each system.

Lesson	Lesson Objective
Course Project	Preventing and Diagnosing Diseases
The Musculoskeletal System	Name parts of the musculoskeletal system.
The Integumentary System	Recognize the functions of the integumentary system.
The Digestive System	Name structures in the digestive system.
The Endocrine System	Identify the functions of the endocrine system.

UNIT 3: HUMAN BODY SYSTEMS 2 (DAYS 38 – 62)

In this unit, you will learn about the structures and functions of various human body systems such as the respiratory system, circulatory system, immune system, nervous system, and urinary system. You will identify common diseases and disorders of each system. You will learn about the causes, signs and symptoms, risk factors, and complications of these diseases and disorders. You will describe the diagnosis, prevention, and treatment of diseases and disorders of each system.

Lesson	Lesson Objective
The Respiratory System	Identify structures of the respiratory system.
The Circulatory System	Review functions of the circulatory system.
The Immune System	Recognize structures of the immune system.
The Nervous System	Identify functions of the nervous system.
The Urinary System	Review structures of the urinary system.
Course Activity	Profiling a Chronic Disease

UNIT 4: ALLIED HEALTH CAREERS IN PREVENTION, DIAGNOSTICS, AND TREATMENT (DAYS 63 – 90)

In this unit, you will learn about the strategies, services, and behaviors for the prevention of disease and injury. You will explore the importance of effective health and wellness routines for health care workers. You will compare the types and functions of diagnostic imaging techniques. You will explain the technology of electrocardiography and learn how to interpret the results of an electrocardiogram. You will identify different specialty areas within a laboratory. You will list common lab tests and describe their purpose and procedure. You will learn about various strategies for respiratory care. Finally, you will describe the qualifications, skills, roles, and responsibilities of radiologic technologists, electrocardiograph technicians, testing personnel, and respiratory care professionals.

Lesson	Lesson Objective
Health and Wellness	Review the strategies and factors that influence health and wellness.
Radiology	Recognize diagnostic imaging techniques.
Electrocardiography	Name electrocardiography techniques.
Lab Tests	Review common lab tests.
Respiratory Therapy	Discover various strategies for respiratory care.