

APPLIED MEDICAL TERMINOLOGY, SEMESTER A

Credits: 0.5

COURSE OVERVIEW AND GOALS

This one-semester course is intended to help you familiarize yourself with the medical terminology related to the human body systems. This course has 14 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities.

This course will cover the structure of the human body systems and their functions. It will also include medical terminology related to diseases, disorders, medical procedures, and treatment for each body system.

You will submit the Unit Activities to your teacher, and you will grade your work in the Lesson Activities by comparing them with given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. There are other assessment components, namely the mastery test questions that feature along with the lesson; the pre- and post-test questions that come at the beginning and end of the unit, respectively; and an end-of-semester test. All of these tests are a combination of simple multiple-choice questions and technology enhanced (TE) questions.

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

- ❖ Interpret basic word parts and meanings of medical terminology as well as abbreviations, acronyms, and symbols used in health care.
- ❖ Examine the structures, parts, and functions of the human body and each of its systems.
- ❖ Analyze diseases and disorders, including causes, treatments, and procedures, related to various body systems.
- ❖ Examine various healthcare professions and specializations related to various body systems.

COURSE COMPONENTS AND GRADING RUBRIC

The table gives a breakdown of the weight for each component in the course. Weight represents the percentage of the total score coming from each activity.

Course Components	Count	Weight*
Pretest. <i>A pretest is an optional assessment, typically designed for credit recovery. If a student shows mastery of a lesson objective, the student may be automatically exempted from the upcoming activities associated with the mastered objective. Pretests are not included as a component of the student's final grade.</i>	3	0%
Module. <i>Each module in this course contains an interactive tutorial or study and an associated mastery test. Tutorials and studies combine instruction and practice to prepare students for the mastery test, which is a computer-scored lesson-level summative assessment. The module score comes from a student's score on the mastery test.</i>	14	30%
Discussion. <i>A discussion activity is an opportunity for students to collaborate with their peers. An online threaded discussion mirrors the educational experience of a classroom discussion initiated when a teacher asks a complex, open-ended question. Students can engage in the discussion by responding both to the question and to the thoughts of others allowing for higher-order thinking about terminal objectives.</i>	3	10%
Unit Activity. <i>A Unit Activity is at the end of a unit and constitutes one or more small tasks. Its purpose is to deepen understanding of key unit concepts and tie them together. Each Unit Activity includes a simple rubric. The teacher versions include both a rubric and modeled sample answers. Unit Activities are teacher graded.</i>	3	20%
Posttest. <i>A posttest appears at the end of each unit.</i>	3	20%
End-of-Semester Test. <i>An end-of-semester test (EOS) appears at the end of each course.</i>	1	20%
Total	27	100%

Weight* Teachers may manually adjust these weights if desired, per district grading requirements.

SCOPE AND SEQUENCE

UNIT 1: MEDICAL TERMINOLOGY

In this unit, students learn about the history of medical terminology and identify the basic components of medical terms. They will learn about various medical abbreviations, acronyms, and symbols used in health care. Additionally, they will discuss the structure, planes, and cavities of the human body and their respective positions.

Activity	Activity Objective
Syllabus	Review the Course Syllabus at the beginning of the course.
Introduction to Medical Terminology	Recall the history of medical terminology and describe the basic components of medical terms.
Abbreviations, Acronyms, and Symbols	Identify and discuss abbreviations, acronyms, and symbols used in health care.
Body Structure and Directional Terminology	Identify the planes and cavities of the human body and their respective positions; describe diseases that affect body tissues.
Unit Activity: Medical Terminology	Discuss various healthcare professionals, their job responsibilities, and the medical terms they use.

UNIT 2: MUSCULOSKELETAL, INTEGUMENTARY, ENDOCRINE, NERVOUS, AND LYMPHATIC AND IMMUNE SYSTEMS

In this unit, students learn about the structure and functions of each body system. They will identify the medical terminology related to various diseases, disorders, medical procedures, and treatments for each system. Additionally, they will explore health science specializations related to each body system.

Activity	Activity Objective
The Musculoskeletal System	Identify and describe the musculoskeletal system and its related functions, disorders, specializations, and procedures.
The Integumentary System	Identify the layers of skin and the functions of the integumentary system; recognize related disorders and the role of a dermatologist.
The Endocrine System	Identify the parts and functions of the endocrine system; describe disorders.
The Nervous System and Mental Health	Identify the parts of the nervous system and explain how the nervous system is the control center of the body; describe mental health disorders and treatments.
The Lymphatic and Immune System	Identify the parts of the lymphatic and immune systems and describe how they fight infection and disease; list career specialties related to the immune system.
Unit Activity: Musculoskeletal, Integumentary, Endocrine, Nervous, and Lymphatic and Immune Systems	Describe various diseases and disorders, and discuss the associated symptoms, risk factors, and diagnostic procedures.

UNIT 3: RESPIRATORY, CARDIOVASCULAR, SENSORY, REPRODUCTIVE, DIGESTIVE, AND EXCRETORY SYSTEMS

In this unit, students learn about the structure and functions of each body system. They will identify the medical terminology related to various diseases, disorders, medical procedures, and treatments for each system. Additionally, they will explore health science specializations related to each body system.

Activity	Activity Objective
The Respiratory System	Identify the parts and functions of the respiratory system; recognize respiratory diseases, including causes and treatments.
The Cardiovascular System	Identify the parts of the human heart and the structure and the functions of the cardiovascular system; recognize cardiovascular disorders and their causes.
The Sensory System	Name the parts and functions of the human eye and ear and describe disorders of the sensory system, including treatments.
The Male and Female Reproductive Systems	Identify the parts and functions of the male and female reproductive systems; describe disorders of each reproductive system, including causes and treatments.
The Digestive System	Identify the parts and major functions of the digestive system and describe the role of enzymes in digestion.
The Excretory System	Name the parts and disorders of the excretory system, list related medical terminology, and discuss related specialty careers.
Unit Activity: Respiratory, Cardiovascular, Sensory, Reproductive, Digestive, and Excretory Systems	Identify and describe qualifications, skills, salaries, and equipment used for various careers in the field of health care.

COURSE MAP

You will achieve course level objectives by completing each lesson's instruction, assignments, and assessments. For a detailed look at how the materials meet these objectives, review the [course map](#).