

**PHYSICAL HEALTHCARE SUBCLUSTER
MEDICAL TERMINOLOGY 5540**

COURSE DESCRIPTION: Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology.

GENERAL REQUIREMENTS: This is a rigorous course designed for students in grades 10 through 12. This course may be counted as one of the optional third unit choices in a three-unit or four-unit completer path. It is recommended to take as the 3rd course in the Physical Healthcare Subcluster. To advance to any Physical Healthcare Subcluster courses, students must achieve a score of 75% or higher in each Physical Healthcare course taken. Students scoring less than 75% must have a direct recommendation from the instructor of the course that the minimum requirement was not met.

PRE-REQUISITES: Satisfactory completion of Biology 1 and either Healthcare Science 1, Sports Medicine 1 or EMS 1 with a 75% or higher or with the direct recommendation of the instructor from their level one or two course.

Credit: CP - 1 unit = (120 hours)

To achieve honors weighting, courses must meet the criteria in the SC Honors Framework.

A post-secondary 3-hour (or more) course will equal 1 unit.

RECOMMENDED CLASS SIZE: 24

CONCENTRATOR: Completes HS1 and HS 2 with a satisfactory score.

COMPLETERS: For a full explanation of completers visit the Student Reporting Procedures Guide (SRPG) or the SCDE program specific web page.

Three Course Completer Sample:

HS1, HS 2, HS Human Structure, Function and Disease

OR Four Course Completer Sample:

HS 1, HS 2, HS WBL, Behavioral Health



Healthcare & Human Services

Supporting the Whole Health of Individuals, Families, and Communities

STACKABLE CREDENTIALS: Please refer to the updated tired credential list on the SCDE Website. This course would be suitable for Tier One or Tier Two Credentials.

CURRICULAR ACTIVITIES: HOSA–Future Health Professionals, Service-Learning Projects

STANDARDS

1.0 MEDICAL TERMINOLOGY

Analyze and interpret medical language related to anatomy and physiology, pathology, diagnostic, and therapeutic terms, and abbreviations, focusing on the body systems. (Based on National Health Science Standards 2.2.1, 2.2.2)

1.1 Use common roots, prefixes, and suffixes to communicate information regarding body systems, diseases, and disorders.

- Apply listening skills to interpret verbal communication using medical terms.
- Spell, define and pronounce medical terms associated with each of the major body systems.

1.2 Interpret common medical abbreviations to communicate information.

- Understand the meaning and usage of common medical abbreviations.
- Summarize the precautions surrounding the use of abbreviations as they pertain to mistakes made in patient care or healthcare practices.

2.0 MEDICAL TERMINOLOGY IN BODY SYSTEMS

Understand Medical Terminology as it relates to human structure, function, and disease. (Based on National Health Science Standards 1.1.1a, b, c, d, f, 1.1.2 a, b, c, d, e, f, g, h, i, j, k)

2.1 Identify basic levels of organization of the human body.

- Chemical
- Cellular
- Tissue
- Organ
- Organ System
- Organism

2.2 Identify medical terminology through describing body planes, directional terms, cavities, and quadrants.

- Body planes (sagittal, mid-sagittal, coronal/frontal, transverse/horizontal)



- Directional terms (superior, inferior, anterior/ventral, posterior/dorsal, medial, lateral, proximal, distal, superficial, and deep)
- Cavities (dorsal, cranial, orbital, nasal, oral, spinal, thoracic, abdominal, and pelvic)
- Quadrants (right upper, right lower, left upper, and left lower)
- Abdominal Regions

2.3 Incorporate the medical terminology that describes the functions of the human body as it relates to each of the body systems.

- Cardiovascular System
- Digestive System
- Endocrine System
- Integumentary System
- Lymphatic/Immune System
- Muscular System
- Nervous System
- Reproductive System (Male and Female)
- Respiratory System
- Skeletal System
- Special Senses System
- Urinary System

2.4 Describe etiology, pathology, diagnosis, treatment and prevention of common diseases and disorders, including, but not limited to the following:

- Anxiety
- Arthritis
- Asthma
- Bipolar Disorder
- Cancer
- Cataracts
- Concussion / Traumatic Brain Injury (TBI)
- Cystic Fibrosis
- Dementia
- Depression
- Diabetes
- Gastric Ulcer
- Hepatitis
- Hypertension
- Melanoma
- Muscular Dystrophy
- Myocardial Infarction (MI)
- Sexually Transmitted Infection (STI)
- Stroke / Cerebrovascular Accident (CVA)



Healthcare & Human Services

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- Tuberculosis
- Urinary Tract Infection (UTI)

3.0 MEDICAL TERMINOLOGY IN MEDICAL MATH AND PHARMACOLOGY.

(Based on National Health Science Standards 1.3.1, 1.3.2)

3.1 Demonstrate the ability to use medical terminology to analyze diagrams, charts, graphs, and tables to interpret healthcare results.

3.2 Demonstrate competency using medical terminology in using basic math skills and mathematical conversions as they relate to healthcare and pharmacology.