

# BIOL C104: MEDICAL TERMINOLOGY FOR HEALTH PROFESSIONALS

Item	Value
Curriculum Committee Approval Date	10/19/2007
Top Code	051420 - Medical Office Technology
Units	3 Total Units
Hours	54 Total Hours (Lecture Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

## Course Description

This course introduces students to the subject of Medical Terminology and prepares them for all careers in the medical field. It covers the study of the basic elements of medical terms as well as the basic anatomy and physiology of the human body. In addition, it covers the medical terms used to describe different pathological conditions, diagnostic tests, and therapeutic procedures. Transfer Credit: CSU. C-ID: HIT 103 X.C-ID: HIT 103 X.

## Course Level Student Learning Outcome(s)

1. Identify and interpret different prefixes, suffixes, and word roots used in the language of Medicine.
2. Analyze medical terms and break them down to their original components and describe their meaning.
3. Formulate and construct medical terms using the three basic elements to describe different pathological conditions and tests used in the diagnosis as well as the procedures used for the treatments of these conditions.

## Course Objectives

- 1. Trace the origins of medical language.
- 2. Identify basic prefixes, suffixes, and combining forms of medical words.
- 3. Identify common rules for spelling and pronouncing medical terms.
- 4. Identify common forms, terms, and abbreviations used in documenting medical records.
- 5. Identify the common fields of medical practice.
- 6. Identify common symptomatic, operative, therapeutic, and diagnostic test terms relating to the following: integumentary system, musculoskeletal system, cardiovascular system, blood/lymph/immune system, respiratory system, digestive system, nervous system, sensory organs (eye and ear), urinary system, male and female reproductive systems, endocrine system, oncology, radiology and nuclear medicine, and mental health.

- 7. Explain the terms and abbreviations used in documenting medical records concerning each of the body systems.

## Lecture Content

Introduction to Medical Terminology Elements used in the building of medical terms Prefixes, suffixes, word roots, combining forms Pluralizing medical terms Suffixes Suffixes describing conditions and procedures Suffix linking Plural Suffixes Prefixes Prefix types Prefix linking Learning Activities Body Structure Basic structure of the human body Body cavities and the organs they contain Anatomical directional terms, planes and body regions The Integumentary System The Musculoskeletal System The Cardiovascular System The Blood, Lymph and the Immune Systems The Respiratory System The Digestive System The Nervous System The Sensory Organs The Urinary System The Male Reproductive System The Female Reproductive System The Endocrine System Oncology Radiology and Nuclear Medicine Mental Health Course Content Outline items E (Integumentary System) to P (The Endocrine System) include the following topics: Anatomy and Physiology of the System Word roots, combining forms, and abbreviations related to the system Common pathological conditions related to this system Common diagnostic tests used in the diagnosis of different conditions Procedures used in the treatment of different conditions

## Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- DE Online Lecture (02X)

## Instructional Techniques

Lecture and application of ideas Videos

## Reading Assignments

Textbook reading

## Writing Assignments

Written assignments in textbook

## Out-of-class Assignments

Homework problems from the text Reviewing vocabulary terms

## Demonstration of Critical Thinking

Quizzes Examinations

## Required Writing, Problem Solving, Skills Demonstration

Exercises are given to test the ability of students to solve problems that they might face in real life situations.

## Eligible Disciplines

Biological sciences: Master's degree in any biological science OR bachelor's degree in any biological science AND master's degree in biochemistry, biophysics, or marine science OR the equivalent. Master's degree required.

## Textbooks Resources

1. Required Chabner, D-E. The Language of Medicine, 12th ed. Elsevier, 2020 Rationale: -
2. Required Rice, Jane. Medical Terminology For Health Care Professionals, 10th ed. Pearson, 2021

## **Manuals Resources**

1. Venes, D. Taber's Cyclopedic Medical Dictionary with Access, F.A. Davis Company , 02-17-2021

## **Other Resources**

1. Coastline Library 2. Medical Terminology Audio files 3. Interactive Medical Terminology files