

Medical Terminology for Health Professions

Course Syllabus

Course Description

Medical Terminology for Health Professions gives students in-depth instruction in recognizing and forming medical terms. Students will learn medical root words, prefixes, and suffixes and apply them to the body systems.

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Analyze how medical terms are built using common word parts.
2. Properly spell, define, and pronounce medical terms associated with each of the major body systems.
3. Identify and define the word parts most frequently associated with the major body systems.
4. Interpret common abbreviations used in medical terminology and avoid errors when using them.

Course Outline and Objectives

Chapter 1: Introduction to Medical Terminology

1. Analyze unfamiliar medical terms using your knowledge of word parts.
2. Describe the steps in locating a term in a medical dictionary.
3. Define the commonly used prefixes, word roots (combining forms), and suffixes introduced in this chapter.
4. Pronounce medical terms correctly using the "sounds like" system.
5. Recognize the importance of always spelling medical terms correctly.
6. State why caution is important when using abbreviations.
7. Recognize, define, spell, and pronounce the medical terms in this chapter.
8. Identify the roles of the three types of word parts in forming medical terms.

Chapter 2: Human Body in Health and Disease

1. Define anatomy and physiology and use anatomic reference systems to identify the anatomic position, body planes, directions, and cavities.
2. Recognize, define, spell, and pronounce the terms related to the abdominal cavity and peritoneum.
3. Recognize, define, spell, and pronounce the terms related to the structure, function, pathology and procedures of cells, tissues, and glands.
4. Define the terms associated with genetics including mutation, genetic engineering, and genetic counseling.
5. Differentiate between genetic and congenital disorders and identify examples of each.
6. Identify the body systems in terms of their major structures, functions, and related word parts.
7. Recognize, define, spell, and pronounce the terms related to types of diseases and the modes of disease of transmission.

Chapter 3: Skeletal System

1. Identify and describe the major functions and structures of the skeletal system.
2. Describe three types of joints.
3. Differentiate between the axial and appendicular skeletons.
4. Identify the medical specialists who treat disorders of the skeletal system.
5. Recognize, define, spell and pronounce terms related to the pathology and diagnostic and treatment procedures of the skeletal system.

Chapter 4: Muscular System

1. Describe the functions and structures of the muscular system including muscle fibers, fascia, tendons, and the three types of muscles.
2. Recognize, define, spell, and pronounce the terms related to muscle movements and how muscles are named.
3. Recognize, define, pronounce, and spell the terms related to the pathology and diagnostic and treatment procedures of the muscular system.

Chapter 5: Cardiovascular System

1. Describe the heart in terms of chambers, valves, blood flow, heartbeat, blood supply, and heart sounds.
2. Differentiate among the three different types of blood vessels and describe the major function of each.
3. Identify the major components of blood and the major functions of each.
4. State the difference between pulmonary and systemic circulation.
5. Recognize, define, spell, and pronounce the terms related to the pathology, diagnostic and treatment procedures of the cardiovascular system.

Chapter 6: Lymphatic and Immune System

1. Describe the major functions and structures of the lymphatic and immune systems.
2. Recognize, define, spell, and pronounce the major terms related to pathology and diagnostic and treatment procedures of the lymphatic and immune systems.
3. Recognize, define, spell, and pronounce terms related to oncology.

Chapter 7: Respiratory System

1. Identify and describe the major structures and functions of the respiratory system.
2. Recognize, define, spell, and pronounce terms related to the pathology and diagnostic and treatment procedures of the respiratory system.

Chapter 8: Digestive System

1. Identify and describe the major structures and functions of the digestive system.
2. Describe the processes of digestion, absorption, and metabolism.
3. Recognize, define, spell, and pronounce terms related to the pathology and diagnostic and treatment procedures of the digestive system.

Chapter 9: Urinary System

1. Describe the major functions of the urinary system.
2. Name and describe the structures of the urinary system.
3. Recognize, define, spell, and pronounce terms related to the pathology and diagnostic and treatment procedures of the urinary system.

Chapter 10: Nervous System

1. Describe the functions and structures of the nervous system.
2. Identify the major divisions of the nervous system and describe the structures of each by location and function.
3. Identify the medical specialists who treat disorders of the nervous system.
4. Recognize, define, spell, and pronounce terms related to the pathology and diagnostic and treatment procedures of the nervous system.
5. Recognize, define, spell, and pronounce terms related to the pathology and diagnostic and treatment procedures of mental health disorders.

Chapter 11: Special Senses: Eyes and Ears

1. Describe the functions and structures of the eyes and adnexa.
2. Recognize, define, spell, and pronounce terms related to the pathology and diagnostic and treatment procedures of eye disorders.
3. Describe the functions and structures of the ears.
4. Recognize, define, spell, and pronounce terms related to the pathology and diagnostic and treatment procedures of ear disorders.

Chapter 12: Skin: Integumentary System

1. Identify and describe the functions and structures of the integumentary system.
2. Identify the medical specialists associated with the integumentary system.
3. Recognize, define, spell, and pronounce the terms used to describe the pathology and diagnostic and treatment procedures related to the skin.
4. Recognize, define, spell, and pronounce terms used to describe the pathology and diagnostic and treatment procedures related to hair, nails, and sebaceous glands.

Chapter 13: Endocrine System

1. Describe the role of the hypothalamus and endocrine glands in maintaining homeostasis.
2. Name and describe the functions of the primary hormones secreted by each of the endocrine glands.
3. Recognize, define, spell, and pronounce terms relating to the pathology and diagnostic and treatment procedures of the endocrine glands.

Chapter 14: Reproductive System

1. Identify and describe the major functions and structures of the male reproductive system.
2. Recognize, define, spell, and pronounce the terms related to the pathology and diagnostic and treatment procedures of the male reproductive system.
4. Identify and describe the major functions and structures of the female reproductive system.
5. Recognize, define, spell, and pronounce the terms related to the pathology and diagnostic and treatment procedures of the female reproductive system.
6. Recognize, define, spell, and pronounce the terms related to the pathology and diagnostic and treatment procedures of the female during pregnancy, childbirth, and the postpartum period.

Chapter 15: Diagnostic Procedures and Pharmacology

1. Describe the four vital signs recorded for most patients.
2. Recognize, define, spell, and pronounce the terms associated with basic examination procedures.
3. Identify and describe the basic examination positions.
4. Recognize, define, spell, and pronounce terms associated with frequently performed blood and urinalysis laboratory tests.
5. Recognize, define, spell, and pronounce terms associated with radiography and other imaging techniques.
6. Differentiate between projection and position and describe basic radiographic projections.
7. Recognize, define, spell, and pronounce the pharmacology terms introduced in this chapter.

Completion and Accreditation

Students who pass the chapter tests with an overall average of 70% or higher will receive a certificate of completion and 9.5 Continuing Education Units (CEUs). One CEU is equivalent to 10 hours of class time.

Corexcel is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU. In obtaining this accreditation, Corexcel has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider membership status, Corexcel is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.