

Medical Terms I

Course Syllabus and Accreditation Information

Course Description

Medical Terms I gives students in-depth instruction in recognizing and forming medical terminology. Students will learn medical root words, prefixes, and suffixes and apply them to the following topics:

- Word Building Rules
- Prefixes
- Suffixes
- Whole Body Terminology
- Digestive System
- Respiratory System
- Cardiovascular System
- Blood and Lymphatic Systems
- Integumentary System
- Skeletal System
- Muscles and Joints

Learning Outcomes

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

1. Apply word building principles to recognize and build medical terms using their word parts.
2. Identify whole body terminology in relation to body cavities; spinal segments; and regions, quadrants, and planes of the human body.
3. Summarize the basic structure and function of the body systems covered in this course.
4. Describe pathology, diagnoses, and procedures based on recognition of medical terms or their word parts.
5. List common medical abbreviations used in pathology, diagnoses, and procedures.
6. Demonstrate the ability to spell and pronounce medical terms related to the body systems covered in this course.

Course Objectives

Lesson 1: Chapter 1: Word Building Rules

1. List the three basic component parts of a word.
2. Correctly state the rule for joining prefixes and suffixes to a word root.
3. Accurately define the terms word root, suffix, prefix, combining vowel, and combining form.
4. Correctly state the rule for using multiple word roots in a compound word.
5. Demonstrate the ability to apply the word building rules by accurately completing the review exercises located at the end of this chapter.
6. Define an eponym and give an example.

Lesson 2: Chapter 2: Prefixes

1. Define a prefix and state the rule for using prefixes in words.
2. Correctly identify at least 20 prefixes that deal with numbers, colors, measurements, and negatives.
3. Correctly identify at least 10 prefixes that deal with position and direction.
4. Correctly identify at least 30 other prefixes.
5. Demonstrate the ability to create at least 10 new words using prefixes by completing the applicable exercises at the end of the chapter.

Lesson 3: Chapter 3: Suffixes

1. Define a suffix and state the rule for using suffixes in words.
2. Correctly identify at least 10 suffixes that make a word a noun.
3. Correctly identify at least 10 suffixes that make a word an adjective.
4. Correctly identify at least 10 suffixes that deal with instruments and with diagnostic and surgical procedures.
5. Identify and define at least 8 suffixes that deal with specialties and specialists.

Lesson 4: Chapter 4: Whole Body Terminology

1. List the five body cavities identified in this chapter.
2. List the organs contained within the five body cavities as identified in the chapter reading.
3. Define at least 10 general terms relating to the body as a whole.
4. Identify the nine body regions studied in this chapter.
5. Identify at least eight terms relating to the structural organization of the body.
6. Identify at least 10 directional terms relating to the body as a whole.
7. Create at least 10 medical terms relating to the body as a whole.

Lesson 5: Chapter 12: The Digestive System

1. Identify and label the structures of the digestive system.
2. List five basic functions of the digestive system.
3. Identify and define at least 25 pathological conditions of the digestive system.
4. Identify at least 10 diagnostic techniques used in evaluating disorders of the digestive system.
5. Create at least 10 medical terms related to the digestive system and identify the applicable combining form(s) for each term.
6. Identify at least 20 abbreviations common to the digestive system.

Lesson 6: Chapter 11: The Respiratory System

1. List two major functions of the respiratory system.
2. State the difference between external respiration and internal respiration.
3. Identify the pathway of air as it travels from the nose to the capillaries of the lungs.
4. Identify 10 structures related to the respiratory system.
5. Define 10 common respiratory signs and symptoms.
6. Identify at least 10 breath sounds.
7. Define 20 common pathological conditions of the respiratory system.
8. Identify at least 10 abbreviations common to the respiratory system.
9. Correctly define at least 10 word elements relating to the respiratory system.

Lesson 7: Chapter 10: The Cardiovascular System

1. Identify and label the pathway of blood as it travels through the heart, to the lungs, and back through the heart.
2. List two major functions of the cardiovascular system.
3. Identify and label the structures of the heart by completing the exercise at the end of the chapter.
4. Define at least 10 common cardiovascular signs and symptoms.
5. Define at least 20 common cardiovascular conditions.
6. Identify at least 20 abbreviations common to the cardiovascular system.
7. Identify four congenital heart diseases.
8. Identify at least three heart arrhythmias.

Lesson 8: Chapter 9: The Blood and Lymphatic Systems

1. List the major functions of the blood and of the lymphatic system as identified in the chapter overview of each system.
2. Identify and define 30 pathological conditions of the blood and lymphatic systems.
3. Identify at least 10 diagnostic techniques used in the diagnosis and treatment of disorders of the blood and lymphatic systems.
4. Identify and define at least 10 medical terms related to the blood and lymphatic systems.
5. Identify at least 10 abbreviations common to the blood and lymphatic systems.
6. Identify at least 10 combining forms related to the blood and lymphatic systems.

Lesson 9: Chapter 5: The Integumentary System

1. Identify the major structures of the skin.
2. List five functions of the skin.
3. Identify and define 20 pathological conditions of the integumentary system.
4. Identify at least 10 diagnostic techniques, treatments, or procedures used in assessing disorders of the integumentary system.
5. Identify at least 10 skin lesions, based on their descriptions.
6. Create at least 10 medical terms related to the integumentary system and identify the applicable combining form(s) for each term.
7. Identify at least 20 abbreviations common to the integumentary system.

Lesson 10: Chapter 6: The Skeletal System

1. Identify five functions of the skeletal system.
2. Identify four classifications of bones.
3. Correctly identify 10 different bone markings.
4. Correctly identify at least 10 major bones of the body by labeling the skeletal diagram provided in the chapter review exercises.
5. Define at least 10 pathological conditions of the skeletal system.
6. Identify and define at least 10 different types of bone fractures.
7. Correctly construct words relating to the skeletal system.
8. Identify at least 10 abbreviations common to the skeletal system.

Lesson 11: Chapter 7: Muscles and Joints

1. Identify three different types of muscles and indicate the control under which each type functions.
2. Correctly identify at least five major muscles of the body by labeling the muscle diagram provided in the chapter review exercises.
3. Define at least 10 pathological conditions of the muscles and joints.
4. Identify a minimum of 10 abbreviations common to the muscles and joints.
5. Demonstrate the ability to create at least 10 medical words pertaining to the muscles and joints.
6. Define 10 different range-of-motion movements of the skeletal muscles.
7. Identify at least five diagnostic techniques used in evaluating patients with disorders of the muscles or joints.
8. Proof and correct one transcription exercise relative to the muscles and joints.

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.

Individual colleges and universities may accept CEUs. To determine an institution's policy, ask if a course that is "accredited for CEUs by an IACET (International Association for Continuing Education and Training) Provider" can be translated into credit hours. They will often ask for objectives and a course outline, which are included in this document.

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