

Medical Terminology

Course Summary:

In this course, the student will learn medical terminology, symbols and abbreviations, and the application of this language in the field of health care. Although the student will analyze terms related to body structure and function, the main focus will be on medical vocabulary and being able to construct terms using word parts such as roots, suffixes, and prefixes.

Course Outline

1. The Basics of Medical Terminology: Introduction to Medical Words
 - Identify the five skills of medical language communication
 - Recognize Latin and Greek singular nouns and form their plurals
 - Describe characteristics and medical meaning of combining forms, suffixes, and prefixes
 - Build medical words from word parts and divide medical words into word parts
 - Correctly spell and pronounce common medical terms and abbreviations
2. The Basics of Medical Terminology: Anatomical Terms and Medical Specialties
 - Identify body directions, cavities, planes, regions, and divisions
 - Identify body systems and medical specialties
 - Describe categories of healthcare professionals and settings in which health care is provided
3. The Integumentary System
 - Identify the anatomical structures of the skin, nails, and hair
 - Describe an allergic reaction
 - Describe common diseases
 - Define medical word parts and build medical words with those word parts
 - Spell and pronounce medical terms and abbreviations related to the integumentary system
4. The Skeletal System
 - Identify the anatomical structures in the skeletal system
 - Describe skeletal system disorders and diseases
 - Define, spell, and pronounce skeletal system words
5. The Muscular System
 - Identify the anatomical structures in the muscular system
 - Describe muscular system disorders and diseases
 - Define, spell, and pronounce medical words related to the muscular system
6. The Cardiovascular System
 - Identify the structures of the cardiovascular system
 - Define the terms related to circulation
 - Describe diseases and disorders of the cardiovascular system
 - Define, spell, and pronounce medical words related to the cardiovascular system
7. The Respiratory System
 - Identify the structures of the respiratory system
 - Define terms related to respiration
 - Describe the respiratory diseases and disorders
 - Define, spell, and pronounce medical words related to the respiratory system

8. The Gastrointestinal System

- Identify the structures of the GI system
- Define terms related to the GI system
- Describe diseases and disorders of the GI system
- Define, spell, and pronounce medical words related to the GI system

9. The Nervous System

- Identify the structures of the nervous system
- Describe the division within the nervous system and the responsibilities of each
- Describe diseases and disorders of the nervous system
- Define, spell, and pronounce medical words related to the nervous system

10. Blood and the Lymphatic System

- Identify the structures in the blood and lymphatic system
- Describe what is involved in the immune response
- Describe disorders and diseases related to blood and the lymphatic system
- Define, spell, and pronounce medical words related to the blood and lymphatic system

11. The Eyes

- Identify the structures of the eye
- Describe the path of light through the eye and how a person "sees" the image
- Describe diseases and disorders of the eye
- Define, spell, and pronounce medical words related to the eye

12. The Ear, Nose, and Throat (ENT) System

- Identify the structures of the ear and ENT system
- Describe the path of sound waves through the ear and how a person "hears" a sound
- Describe diseases and disorders of the ENT system
- Define, spell, and pronounce medical words related to the ENT system

13. The Endocrine System

- Identify the structures of the endocrine system
- Describe the process of responses to hormones and feedback
- Describe disorders and diseases related to the endocrine system
- Define, spell, and pronounce medical words related to the endocrine system

14. The Urinary System

- Identify the structures of the urinary system
- Explain where urine is made and how it is eliminated
- Describe disorders and diseases related to the urinary system
- Define, spell, and pronounce medical words related to the urinary system

15. The Male Reproductive System

- Identify the unique and shared anatomical structures of the male reproductive system
- Describe the path of sperm from creation to ejaculation
- Describe disorders and diseases of the male reproductive system
- Define, spell, and pronounce medical words related to the male reproductive system

16. The Female Reproductive System

- Identify the structures of the female reproductive system
- Describe conception, labor, and delivery and define terms related to menstruation, pregnancy, and postpartum

- Describe normal and abnormal findings in the neonate
- Describe disorders and diseases of the female reproductive system
- Define, spell, and pronounce medical words related to the female reproductive system

17. Mental Health

- Identify the parts of the brain related to mental health
- Describe disorders and diseases related to mental health
- Define, spell, and pronounce medical words related to mental health

18. Cancer

- Identify the different structures found in a cell
- Identify factors that contribute to the development of cancer
- List characteristics of cancerous cells and tumors
- Describe common types of cancer

19. Radiology and Cancer Treatment

- Define medical word parts and use them to build medical terms related to cancer
- Describe radiologic procedures that use X-rays
- Identify procedures that use a contrast dye with X-rays
- Identify other procedures that use magnetic field, sound waves, or an electron beam

20. Nuclear Medicine

- Describe nuclear medicine procedures that use gamma rays or positrons
- Define words and word parts, and build terms related to radiology and nuclear medicine

21. Medical Terminology Final Exam