

Revised: Fall 2016

HLT 143 Medical Terminology I

COURSE OUTLINE

Prerequisites: A placement recommendation for ENG 111, co-enrollment in ENF 3/ENG111, or successful completion of all developmental English requirements.

Course Description:

Provides an understanding of medical abbreviations and terms. Includes the study of prefixes, suffixes, word stems, and technical terms with emphasis on proper spelling, pronunciation, and usage. Emphasizes more complex skills and techniques in understanding medical terminology. Part I of II.

Semester Credits: 3 Lecture Hours

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Course Outcomes

At the completion of this course, the student should be able to:

1. Understand the concepts and importance of medical terms and meanings in healthcare also understanding pertinent anatomy, physiology and pathology of terms.
2. Be familiar and be able to state medical prefixes, suffixes, combining vowels and roots.
3. Be able to define medical terms.
4. Be able to combine prefixes, suffixes, combining vowels and roots to make medical terms.

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CLASS OBJECTIVES

After completion of specific sections of each chapter the student will be able to identify, define, build term combinations, understand anatomy, pathology and physiology plus understand pronunciation of terms for the following:

- I. Basic Word Structure
 - A. Objectives in Studying the Medical Language
 - B. Word Analysis
 - C. Combining Forms, Prefixes, Suffixes

- II. Terms Pertaining to the Body as a Whole
 - A. Structural Organization of the Body
 - B. Body Cavities
 - C. Regions & Quadrants
 - D. Divisions of the Spinal Column
 - E. Planes of the Body
 - F. Combining Forms, Prefixes, Suffixes

- III. Suffixes
 - A. Combining Forms
 - B. Suffixes & Terminology
 - C. Appendices

- IV. Prefixes
 - A. Combining Forms
 - B. Prefixes & Terminology
 - C. Appendices

- V. Digestive System
 - A. Anatomy & Physiology
 - B. Vocabulary
 - C. Combining Forms, Suffixes, and Prefixes
 - D. Pathology of the Digestive System

- VI. Additional Suffixes and Digestive System Terminology
 - A. Suffixes
 - B. Combining Forms

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- C. Laboratory Tests, and Clinical Procedures
 - D. Practical Application
- VII. Urinary System
- A. Anatomy and Major Organs
 - B. How the Kidneys Produce Urine
 - C. Vocabulary
 - D. Terminology: Structure, Substances, and Urinary Symptoms
 - E. Laboratory Tests and Clinical Procedures
 - F. Practical Application
- VIII. Respiratory System
- A. Anatomy and Physiology of Respiration
 - B. Vocabulary
 - C. Combining Forms, Suffixes and Terminology
 - D. Diagnostic and Pathologic Terms
 - E. Clinical Procedures
 - F. Practical Application
- IX. Musculoskeletal System
- A. Bones
 - 1. Formation and Structure
 - 2. Vertebral Column
 - 3. Selected Bones of the Body
 - 4. Vocabulary
 - 5. Combining Forms and Suffixes
 - 6. Pathologic Conditions and Fractures
 - B. Joints
 - 1. Types of Joints
 - 2. Bursae
 - 3. Vocabulary
 - 4. Combining Forms and Suffixes
 - 5. Pathological Conditions
 - C. Muscles
 - 1. Types of Muscles
 - 2. Action of Skeletal Muscles
 - 3. Vocabulary
 - 4. Combining Forms and Suffixes
 - 5. Pathological Conditions
 - D. Laboratory Tests and Clinical Procedures



- E. Practical Application

- X. Radiology, Nuclear Medicine and Radiation Therapy
 - A. Radiology
 - 1. Characteristics of X-Rays
 - 2. Diagnostic Techniques
 - 3. X-Ray Positioning
 - B. Nuclear Medicine
 - 1. Radioactivity and Radionuclides
 - 2. Nuclear Medicine Tests
 - C. Radiation Therapy
 - 1. Therapy Techniques and Machines
 - 2. Radiation Side Effects
 - D. Vocabulary
 - E. Combining Forms, Suffixes, Prefixes and Terminology

- XI. Skin
 - A. Anatomy
 - B. Vocabulary
 - C. Abnormal Conditions
 - D. Neoplasms
 - E. Laboratory Test and Clinical Procedures

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Required Materials

Textbook:

**“The Language of Medicine”, Davi-Ellen Chabner, 10th Edition
ISBN: 978-1-4557-2846-6**

The following supplementary materials are available:

1. Several resource textbooks are located in the Radiography Lab

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2. Textbook contains online support material for students.

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