



Lakeshore Technical College

10-501-101 Medical Terminology (LTC/2016)

Course Outcome Summary

Course Information

Description	Focuses on the component parts of medical terms: prefixes, suffixes and word roots. You will practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology.
Total Credits	3.00
Total Hours	54.00

Course Competencies

1. Apply the rules of medical language

Linked Core Abilities

Apply learning
Communicate effectively
Demonstrate critical thinking

Assessment Strategies

- 1.1. by completing a written assessment.
- 1.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 1.1. learner provides definitions of medical terms
- 1.2. learner applies the rules for building medical terms
- 1.3. learner applies the rules for analyzing medical terms
- 1.4. learner applies the rules for singular and plural forms
- 1.5. learner applies the use of abbreviations
- 1.6. learner applies the rules for spelling terms
- 1.7. learner applies the rules for pronouncing terms

Learning Objectives

- 1.a. Apply the basic rules for analyzing and building medical terms
- 1.b. Identify the role of the three types of word components
- 1.c. Define the meaning of word components
- 1.d. Divide words into their component parts
- 1.e. Build words from the component parts
- 1.f. Pronounce medical terms
- 1.g. Spell medical terms
- 1.h. Apply rules to create plural and singular word formations
- 1.i. Identify common medical abbreviations

- 1.j. Abbreviate common medical terms
- 1.k. Distinguish between nouns and adjectives

2. Identify medical terms related to the body as a whole

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Assessment Strategies

- 2.1. by completing a written assessment.
- 2.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 2.1. learner applies the rules of medical language
- 2.2. learner identifies directional terms
- 2.3. learner identifies terms related to planes of the body
- 2.4. learner identifies terms related to anatomical divisions
- 2.5. learner identifies terms related to organization and structure of the body

Learning Objectives

- 2.a. Use the anatomic reference system to identify the anatomic position of the body
- 2.b. Use the anatomic reference system to identify the body planes
- 2.c. Use the anatomic reference system to identify the body cavities
- 2.d. Use the anatomic reference system to identify the directional terms
- 2.e. Use the anatomic reference system to identify the divisions of the body
- 2.f. Describe the structural organization of the body
- 2.g. Apply the rules of medical language
- 2.h. Identify meanings of key word components

3. Interpret terms related to the digestive system

Linked Core Abilities

Apply learning

Assessment Strategies

- 3.1. by completing a written assessment.
- 3.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 3.1. learner applies the rules of medical language
- 3.2. learner interprets medical terms related to the structure and function of the digestive system
- 3.3. learner interprets pathological terms related to the digestive system
- 3.4. learner identifies the terms related to the diagnostic procedures of the digestive system
- 3.5. learner identifies the terms related to the treatments of disorders of the digestive system

Learning Objectives

- 3.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the digestive system
- 3.b. Identify meanings of key word components of the digestive system
- 3.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the digestive system
- 3.d. Use terms related to the digestive system
- 3.e. Use terms related to the diseases and disorders of the digestive system

4. Interpret terms related to the urinary system

Linked Core Abilities

Apply learning

Assessment Strategies

- 4.1. by completing a written assessment.
- 4.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 4.1. learner applies the rules of medical language
- 4.2. learner interprets medical terms related to the structure and function of the urinary system
- 4.3. learner interprets pathological terms related to the urinary system
- 4.4. learner identifies the terms related to the diagnostic procedures of the urinary system
- 4.5. learner identifies the terms related to the treatments of disorders of the urinary system

Learning Objectives

- 4.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the urinary system
- 4.b. Identify meanings of key word components of the urinary system
- 4.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the urinary system
- 4.d. Use terms related to the urinary system
- 4.e. Use terms related to the diseases and disorders of the urinary system

5. Interpret medical terms related to the female reproductive system

Linked Core Abilities

Apply learning

Assessment Strategies

- 5.1. by completing a written assessment.
- 5.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 5.1. learner applies the rules of medical language
- 5.2. learner interprets medical terms related to the structure and function of the female reproductive system
- 5.3. learner interprets pathological terms related to the female reproductive system
- 5.4. learner identifies the terms related to the diagnostic procedures of the female reproductive system
- 5.5. learner identifies the terms related to the treatments of disorders of the female reproductive systems

Learning Objectives

- 5.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the female reproductive system
- 5.b. Identify meanings of key word components of the female reproductive system
- 5.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the female reproductive system
- 5.d. Use terms related to the female reproductive system
- 5.e. Use terms related to the diseases and disorders of the female reproductive system

6. Interpret medical terms related to the male reproductive system

Linked Core Abilities

Apply learning

Assessment Strategies

- 6.1. by completing a written assessment.
- 6.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 6.1. learner applies the rules of medical language
- 6.2. learner interprets medical terms related to the structure and function of the male reproductive system
- 6.3. learner interprets pathological terms related to the male reproductive system
- 6.4. learner identifies the terms related to the diagnostic procedures of the male reproductive system
- 6.5. learner identifies the terms related to the treatments of disorders of the male reproductive systems

Learning Objectives

- 6.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the male reproductive system

- 6.b. Identify meanings of key word components of the male reproductive system
- 6.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the male reproductive system
- 6.d. Use terms related to the male reproductive system
- 6.e. Use terms related to the diseases and disorders of the male reproductive system

7. Interpret terms related to the nervous system

Linked Core Abilities

Apply learning

Assessment Strategies

- 7.1. by completing a written assessment.
- 7.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 7.1. learner applies the rules of medical language
- 7.2. learner interprets medical terms related to the structure and function of the nervous system
- 7.3. learner interprets pathological terms related to the nervous system
- 7.4. learner identifies the terms related to the diagnostic procedures of the nervous system
- 7.5. learner identifies the terms related to the treatments of disorders of the nervous system

Learning Objectives

- 7.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the nervous system
- 7.b. Identify meanings of key word components of the nervous system
- 7.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the nervous system
- 7.d. Use terms related to the nervous system
- 7.e. Use terms related to the diseases and disorders of the nervous system

8. Interpret terms related to the cardiovascular system

Linked Core Abilities

Apply learning

Assessment Strategies

- 8.1. by completing a written assessment.
- 8.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 8.1. learner applies the rules of medical language
- 8.2. learner interprets medical terms related to the structure and function of the cardiovascular system
- 8.3. learner interprets pathological terms related to the cardiovascular system
- 8.4. learner identifies the terms related to the diagnostic procedures of the cardiovascular system
- 8.5. learner identifies the terms related to the treatments of disorders of the cardiovascular system

Learning Objectives

- 8.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the cardiovascular system
- 8.b. Identify meanings of key word components of the cardiovascular system
- 8.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the cardiovascular system
- 8.d. Use terms related to the cardiovascular system
- 8.e. Use terms related to the diseases and disorders of the cardiovascular system

9. Interpret terms related to the respiratory system

Assessment Strategies

- 9.1. by completing a written assessment.
- 9.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 9.1. learner applies the rules of medical language
- 9.2. learner interprets medical terms related to the structure and function of the respiratory system
- 9.3. learner interprets pathological terms related to the respiratory system
- 9.4. learner identifies the terms related to the diagnostic procedures of the respiratory system
- 9.5. learner identifies the terms related to the treatments of disorders of the respiratory system

Learning Objectives

- 9.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the respiratory system
- 9.b. Identify meanings of key word components of the respiratory system
- 9.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the respiratory system
- 9.d. Use terms related to the respiratory system
- 9.e. Use terms related to the diseases and disorders of the respiratory system

10. Interpret terms related to the blood

Linked Core Abilities

Apply learning

Assessment Strategies

- 10.1. by completing a written assessment.
- 10.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 10.1. learner applies the rules of medical language
- 10.2. learner interprets medical terms related to the structure and function of the blood
- 10.3. learner interprets pathological terms related to the blood
- 10.4. learner identifies the terms related to the diagnostic procedures performed on blood
- 10.5. learner identifies the terms related to the treatments of disorders of the blood

Learning Objectives

- 10.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the blood
- 10.b. Identify meanings of key word components of the blood
- 10.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the blood
- 10.d. Use terms related to the blood
- 10.e. Use terms related to the diseases and disorders of the blood

11. Interpret medical terms related to the lymph and immune systems

Linked Core Abilities

Apply learning

Assessment Strategies

- 11.1. by completing a written assessment.
- 11.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 11.1. learner applies the rules of medical language
- 11.2. learner interprets medical terms related to the structure and function of the lymph and immune systems
- 11.3. learner interprets pathological terms related to the lymph and immune systems
- 11.4. learner identifies the terms related to the diagnostic procedures of the lymph and immune systems
- 11.5. learner identifies the terms related to the treatments of disorders of the lymph and immune systems

Learning Objectives

- 11.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the lymph and immune systems
- 11.b. Identify meanings of key word components of the lymph and immune systems
- 11.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the lymph and immune

systems

11.d. Use terms related to the lymph and immune systems

11.e. Use terms related to the diseases and disorders of the lymph and immune systems

12. Interpret terms related to the musculoskeletal system

Linked Core Abilities

Apply learning

Assessment Strategies

12.1. by completing a written assessment.

12.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

12.1. learner applies the rules of medical language

12.2. learner interprets medical terms related to the structure and function of the musculoskeletal system

12.3. learner interprets pathological terms related to the musculoskeletal system

12.4. learner identifies the terms related to the diagnostic procedures of the musculoskeletal system

12.5. learner identifies the terms related to the treatments of disorders of the musculoskeletal system

Learning Objectives

12.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the musculoskeletal system

12.b. Identify meanings of key word components of the musculoskeletal system

12.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the musculoskeletal system

12.d. Use terms related to the musculoskeletal system

12.e. Use terms related to the diseases and disorders of the musculoskeletal system

13. Interpret medical terms related to skin

Linked Core Abilities

Apply learning

Assessment Strategies

13.1. by completing a written assessment.

13.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

13.1. learner applies the rules of medical language

13.2. learner interprets medical terms related to the structure and function of the integumentary system

13.3. learner interprets pathological terms related to the integumentary system

13.4. learner identifies the terms related to the diagnostic procedures of the integumentary system

13.5. learner identifies the terms related to the treatments of disorders of the integumentary systems

Learning Objectives

13.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the integumentary system

13.b. Identify meanings of key word components of the integumentary system

13.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the integumentary system

13.d. Use terms related to the integumentary system

13.e. Use terms related to the diseases and disorders of the integumentary system

14. Interpret terms related to sense organs: the eye and the ear

Linked Core Abilities

Apply learning

Assessment Strategies

14.1. by completing a written assessment.

14.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 14.1. learner applies the rules of medical language
- 14.2. learner interprets medical terms related to the structure and function of the sensory system
- 14.3. learner interprets pathological terms related to the sensory system
- 14.4. learner identifies the terms related to the diagnostic procedures of the sensory system
- 14.5. learner identifies the terms related to the treatments of disorders of the sensory system

Learning Objectives

- 14.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the sensory system
- 14.b. Identify meanings of key word components of the sensory system
- 14.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the sensory system
- 14.d. Use terms related to the sensory system
- 14.e. Use terms related to the diseases and disorders of the sensory system

15. Interpret terms related to the endocrine system

Linked Core Abilities

Apply learning

Assessment Strategies

- 15.1. by completing a written assessment.
- 15.2. or by completing another assessment activity assigned by the instructor

Criteria

Your performance will be successful when:

- 15.1. learner applies the rules of medical language
- 15.2. learner interprets medical terms related to the structure and function of the endocrine system
- 15.3. learner interprets pathological terms related to the endocrine system
- 15.4. learner identifies the terms related to the diagnostic procedures of the endocrine system
- 15.5. learner identifies the terms related to the treatments of disorders of the endocrine system

Learning Objectives

- 15.a. Apply the rules of medical language to build, analyze, spell, pronounce, abbreviate, and define terms as they relate to the endocrine system
- 15.b. Identify meanings of key word components of the endocrine system
- 15.c. Categorize diagnostic, therapeutic, procedural or anatomic terms related to the endocrine system
- 15.d. Use terms related to the endocrine system
- 15.e. Use terms related to the diseases and disorders of the endocrine system

16. Interpret terms related to cancer medicine (oncology)

Linked Core Abilities

Apply learning

Assessment Strategies

- 16.1. Written Exam
- 16.2. Paper/Oral Summary
- 16.3. Written Assignment

Criteria

You will know you are successful when:

- 16.1. you apply the rules of medical language
- 16.2. written or graphic product identifies terms related to pathological descriptions of cancer
- 16.3. written or graphic product identifies cancer treatments

Learning Objectives

- 16.a. Identify medical terms that describe the growth and spread of tumors
- 16.b. Recognize terms related to the causes, diagnosis, and treatment of cancer

17. Interpret terms related to radiology and nuclear medicine

Linked Core Abilities

Apply learning

Assessment Strategies

- 17.1. Written Assignment
- 17.2. Written Exam
- 17.3. Oral Presentation

Criteria

You will know you are successful when:

- 17.1. you apply the rules of medical language
- 17.2. written or graphic product identifies diagnostic techniques of x-rays
- 17.3. written or graphic product identifies x-ray positions
- 17.4. written or graphic product identifies nuclear medicine tests

Learning Objectives

- 17.a. Identify diagnostic tests used by radiologists and nuclear physicians
- 17.b. Describe x-ray views and patient positions used in x-ray examinations
- 17.c. Differentiate medical terms used in radiology and nuclear medicine

18. Interpret terms related to pharmacology

Linked Core Abilities

Apply learning

Assessment Strategies

- 18.1. Written Assignment
- 18.2. Written Exam
- 18.3. Oral Presentation

Criteria

You will know you are successful when:

- 18.1. you apply the rules of medical language
- 18.2. written or graphic product describes classes of drugs
- 18.3. written or graphic product identifies drug names and references
- 18.4. written or graphic product describes the administration of drugs

Learning Objectives

- 18.a. Differentiate among different classes of drugs
- 18.b. Identify various routes of drug administration
- 18.c. Identify combining forms, suffixes, prefixes, and abbreviations related to pharmacology
- 18.d. Interpret medical terms in their proper contexts

19. Interpret terms related to psychiatry

Linked Core Abilities

Apply learning

Assessment Strategies

- 19.1. Written Assignment
- 19.2. Written Exam
- 19.3. Oral Presentation

Criteria

- 19.1. you apply the rules of medical language
- 19.2. written or graphic product identifies psychiatric disorders
- 19.3. written or graphic product identifies psychiatric clinical symptoms

Learning Objectives

- 19.a. Differentiate among a psychiatrist, a psychologist, and other mental health specialists
- 19.b. Identify terms that describe psychiatric disorders
- 19.c. Describe major psychiatric disorders
- 19.d. Compare different types of therapy for psychiatric disorders

20. Identify most common suffixes and prefixes

Linked Core Abilities

Apply learning
Communicate effectively
Demonstrate critical thinking

Assessment Strategies

- 20.1. Written Assignment
- 20.2. Written Exam
- 20.3. Attendance/Participation

Criteria

You will know you are successful when:

- 20.1. Written or graphic product identifies suffixes and prefixes.
- 20.2. You apply the rules of medical language.

Learning Objectives

- 20.a. Explain the meanings of suffixes and prefixes
- 20.b. Review suffixes and prefixes
- 20.c. Interpret words by using suffixes and prefixes with combining forms