
MEDICAL TERMINOLOGY

OCAS Code: NEW 2024

Instructor Information (Determined by Instructor)

Instructor	Email	Office Hours & Location
Frist, Last	Email	Info

General information

Grade Level

Comprehensive High School, 9-12

Credit

1 semester, 120 hours, .5 credits

Teacher Certification Necessary

Any certification area

Student Certificate

YouScience Medical Terminology

Course Description

Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.



OKLAHOMA
CareerTech

HCE

Health Careers Education

Expectations and Goals

- 1. Language Proficiency:**
 - *Expectation:* Develop a proficient understanding of medical language used in health professions.
 - *Goal:* Attain the ability to decode and comprehend medical terms through the study of prefixes, suffixes, roots, combining forms, and abbreviations.
- 2. Word-Building Skills:**
 - *Expectation:* Acquire comprehensive word-building skills to form and interpret medical terms.
 - *Goal:* Demonstrate the ability to construct and analyze medical terms by combining prefixes, suffixes, roots, and other components.
- 3. Body Systems Mastery:**
 - *Expectation:* Gain expertise in applying medical terminology to various body systems.
 - *Goal:* Define, interpret, and pronounce medical terms accurately in the context of structure and function, pathology, diagnosis, clinical procedures, and pharmacology.
- 4. Problem-Solving Techniques:**
 - *Expectation:* Develop problem-solving techniques to enhance understanding of course concepts.
 - *Goal:* Apply critical thinking skills to solve medical terminology challenges, reinforcing a deeper understanding of the language.
- 5. Pronunciation Proficiency:**
 - *Expectation:* Achieve proficiency in pronouncing medical terms correctly.
 - *Goal:* Demonstrate accurate pronunciation of medical terms, ensuring effective communication within healthcare settings.
- 6. Application in Clinical Context:**
 - *Expectation:* Apply medical terminology knowledge to real-world clinical scenarios.
 - *Goal:* Utilize acquired terminology skills in practical settings, demonstrating the ability to communicate effectively in the healthcare environment.
- 7. Integration of Pharmacological Terms:**
 - *Expectation:* Incorporate pharmacological terminology into the understanding of medical language.
 - *Goal:* Define and interpret pharmacological terms within the broader context of medical terminology, ensuring a comprehensive understanding.
- 8. Collaborative Learning:**
 - *Expectation:* Engage in collaborative learning to enhance overall understanding.
 - *Goal:* Actively participate in group activities, discussions, and case studies to reinforce and expand knowledge through shared insights.
- 9. Assessment and Feedback:**
 - *Expectation:* Regularly assess understanding and receive constructive feedback.
 - *Goal:* Participate in assessments to gauge comprehension, and use feedback to identify areas for improvement, fostering continuous learning.
- 10. Ethical Communication:**
 - *Expectation:* Communicate medical terms ethically and professionally.
 - *Goal:* Demonstrate an understanding of ethical communication in the healthcare context, ensuring respect and accuracy in the use of medical terminology.

Course Syllabi

Medical terminology standards focus on body systems, to include the following:

- Skeletal
- Muscular
- Cardiovascular
- Lymphatic and Immune
- Respiratory
- Digestive
- Urinary
- Nervous
- Special Senses: Eyes and Ears
- Integumentary
- Endocrine
- Reproductive

Foundation Standard 1: Academic Foundation

Analyze and interpret medical language related to anatomy and physiology, pathology, diagnostic, and therapeutic terms, and abbreviations, focusing on the body systems.

Human Structure and Function

1. Identify the basic structural and functional organization of the human body:
 - a. cells
 - b. tissue
 - c. organ
 - d. system
2. Differentiate and interpret:
 - a. body planes
 - b. directional terms
 - c. quadrants
 - d. cavities
3. Analyze the basic structure and function of the human body as it relates to each body system.
4. Describe common diseases and disorders of each body system:
 - a. pathology
 - b. diagnosis



- c. treatment
- d. prevention

5. Identify emerging diseases and disorders (example: Covid-19, Ebola, drug resistant superbugs).
6. Investigate biomedical therapies as they relate to the prevention, pathology, and treatment of disease.

Foundation Standard 2: Communications

Communicate medical terminology effectively, both orally and in writing.

1. Identify medical terms by examining its word parts and abbreviations.
2. Construct medical terms using:
 - Prefixes
 - Suffixes
 - Root words
 - Combining forms
3. Utilize medical terms and abbreviations to communicate information.
4. Demonstrate pronunciation of medical terms.
5. Apply listening skills to interpret verbal communication.
6. Assemble word elements as it relates to healthcare careers.
7. Recognize elements of written and electronic communication with emphasis on:
 - correct spelling
 - grammar
 - formatting
8. Summarize the precautions surrounding the use of abbreviations as it pertains to mistakes made in patient care or healthcare practices.
9. Employ reliable resources to interpret medical terminology appropriately.

Course Materials (Determined by Instructor)

Required materials

Need a heading or a bullet? On the Home tab, in the Styles gallery, choose from all styles used in this syllabus.

- Tap to add text.



- Tap to add text.

Optional materials

Want to add more tables to your document that look like the Course Schedule and Exam Schedule tables that follow? Nothing could be easier. On the Insert tab, just select Table to add a new table. New tables you create in this template are automatically formatted to match.

Required text

Item name 1 Media Type, Author Name

Item name 2 Media Type, Author Name

Course Schedule (Determined by Instructor)

Week	Topic	Reading	Exercises
Week 1	Enter topic	Enter reference	Enter exercise
Week 2	Enter topic	Enter reference	Enter exercise
Week 3	Enter topic	Enter reference	Enter exercise

Exam Schedule (Determined by Instructor)

Date	Subject
Date 1	Enter subject
Date 2	Enter subject
Date 3	Enter subject

Additional Information and Resources

Resources

Medical Terminology Systems: A Body Systems Approach, 8th Edition, B.E. Publishing, Inc. (2017)

Medical Terminology for Health Professions, 8th Edition, National Geographic Learning/Cengage (2017)

Medical Terminology for Health Professions, 8th Edition, Thompson (2017)

Introduction to Medical Terminology, Goodheart-Wilcox, (2017)

OTHER RESOURCES:



OKLAHOMA
CareerTech

HCE

Health Careers Education

Chabner, Davi-Ellen, *The Language of Medicine: A Write-In Text Explaining Medical Terms*. Philadelphia: Saunders, latest edition.

Dean Vaughn Learning Systems. *Medical Terminology 350*. Westwood, MA: Damon Instructional Systems, latest edition.

Haroun, Lee, and Susan Royce. *Teaching Ideas and Classroom Activities for Health Care*. Albany, NY: Delmar, latest edition.

Health Center 21, Applied Educational Systems. July 2021 3

Myrna Lafleur Brooks, *Mosby's Medical, Nursing, & Allied Health Dictionary*. NY: Mosby, latest edition.

The New Living Body Video Series. Princeton, NJ: Films for the Humanities and Sciences. Sanner, Bernadette A., and Barbara A. Mageri.

Mosby's Anatomy Coloring Book. Mosby Publishers. Sormunen, Carolee, and Marie Moio.

Terminology for Allied Health Professionals. Albany, NY: Delmar, latest edition.

Stedman's Medical Dictionary for the Health Professions and Nursing Illustrated, 5th Edition, Lippincott Williams and Wilkins, latest edition.

Venes, Donald, Ed., et al. *Taber's Cyclopedic Medical Dictionary*. Philadelphia: F A Davis, latest edition.

Zeiman, Margaret, Dover Children's Science Books, *Human Anatomy Coloring Book*

Web Sites

Anatomy (1): <http://innerbody.com/image/card01.html>

Anatomy (2): <http://texasheart.org/HIC/Anatomy/index.cfm#>

Anatomy Arcade: <http://anatomyarcade.com>

Anatomy in Clay: <http://AnatomyinClay.com>

Cardiac: <http://my.clevelandclinic.org/heart/heartworks/bloodflow.aspx>

Centers for Disease Control: Disease or Condition of the Week | Disease or Condition of the Week | CDC Diseases/Disorders: <http://medicinenet.com/script/main/hp.asp>

Hands on Body Systems: Hands-On Body Systems (starlasteachtips.com)

Health Occupations Students of America: <http://hosa.org>

Health Science Teacher: <http://healthscienceteacher.com>

Heart: <http://smm.org/heart/lessons/lesson2.htm>



Henry Gray's Anatomy: <http://bartleby.com/107/>

Medical Animation Library: http://penntmedicine.org/health_info/animationplayer/

Medical Terminology Blog: Games - Medical Terminology Blog Medical videos:
<http://www.videomd.com> (Uses Flash)

Medicine Net: www.medterms.com

Mayo Clinic: Patient Care and Health Information - Patient Care and Health Information - Mayo Clinic

Miriam Webster Dictionary: Medical Terms and Abbreviations: Merriam-Webster Medical Dictionary

National Institutes of Health: National Institutes of Health (NIH) | Turning Discovery Into Health The

National Health Museum, site for Health and Bioscience Teachers and Learners:
<http://accessexcellence.org>

Quizlet: <http://Quizlet.com>

Spanish Dictionary: <http://spanishdict.com>

Teachers Pay Teachers: Teaching Resources & Lesson Plans | Teachers Pay Teachers

Teens Health: Information about health, growth, and emotions for teens - Nemours KidsHealth
(teenshealth.org)

The Visible Body: Visible Body - Anatomy Education Resources for Teaching and Learning

WebMD, <http://www.webmd.com/>

You Science: Precision Exams (youscience.com)

