

Lassen Community College Course Outline

HO 3 Medical Terminology

3.0 Units

I. Catalog Description

This course covers basic medical terminology and the vocabulary of medical specialties. Special emphasis is on the use of prefixes and suffixes, and non-technical explanations of medical terms and descriptions of anatomy, physiology, and pathology. Students learn to utilize medical terminology as it applies to the structure of the human body, common laboratory tests, radiological and operative procedures, as well as basic pharmacology. This course has been approved for online and hybrid delivery.

Diversity Statement:

Our commitment to diversity requires that we strive to eliminate barriers to equity and that we act deliberately to create a safe and inclusive environment where individual and group differences are valued and leveraged for the growth and understanding as an educational community.

Recommended Preparation: Successful completion of ENGL105 or equivalent assessment placement.

Transfers to CSU only \

51 Hours Lecture, 102 Expected Outside Class Hours, 153 Total Student Learning Hours.
Scheduled: Fall, Spring

II. Coding Information

Repeatability: Not Repeatable, Take 1 Time

Grading Option: Graded only

Credit Type: Credit - Degree Applicable

TOP Code: 120100

III. Course Objectives

A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

Demonstrate correct spelling and appropriate usage of medical terminology relating to the normal functioning and selected disorders of the human body.

B. Course Objectives

Upon completion of this course the student will be able to:

1. Analyze, correctly spell and pronounce medical terms.
2. Formulate and utilize a professional medical vocabulary based on prefixes, suffixes, word roots and combining forms, using a medical dictionary as a reference.
3. Briefly explain common laboratory tests, basic radiological procedures, and common operative procedures for given body systems.
4. Analyze and briefly explain the basic usage and expected effects of commonly used drugs.
5. Interpret medical records, articles, and texts for diagnosis, treatment, laboratory, and x-ray information.

IV. Course Content

- A. Introduction to Medical Terminology**
 - 1. Prefixes
 - 2. Suffixes
 - 3. Word roots
- B. Body Structures**
 - 1. Cells, tissues, organs
 - 2. Body cavities, regions and directional terms
- C. Circulatory System**
 - 1. Structure and Function
 - 2. Combining forms and related terminology
 - 3. Pathology
 - 4. Laboratory Tests
 - 5. Clinical Procedures
 - 6. Abbreviations
 - 7. Practical Applications
- D. Respiratory System**
 - 1. Structure and Function
 - 2. Combining forms and related terminology
 - 3. Pathology
 - 4. Laboratory Tests
 - 5. Clinical Procedures
 - 6. Abbreviations
 - 7. Practical Applications
- E. Gastrointestinal System**
 - 1. Structure and Function
 - 2. Combining forms and related terminology
 - 3. Pathology
 - 4. Laboratory Tests
 - 5. Clinical Procedures
 - 6. Abbreviations
 - 7. Practical Applications
- F. Urinary System**
 - 1. Structure and Function
 - 2. Combining forms and related terminology
 - 3. Pathology
 - 4. Laboratory Tests
 - 5. Clinical Procedures
 - 6. Abbreviations
 - 7. Practical Applications
- G. Reproductive System**
 - 1. Structure and Function
 - 2. Combining forms and related terminology
 - 3. Pathology
 - 4. Laboratory Tests
 - 5. Clinical Procedures
 - 6. Abbreviations
 - 7. Practical Applications
- H. Endocrine System**
 - 1. Structure and Function
 - 2. Combining forms and related terminology

3. Pathology
4. Laboratory Tests
5. Clinical Procedures
6. Abbreviations
7. Practical Applications
- I. Neurosensory System**
 1. Structure and Function
 2. Combining forms and related terminology
 3. Pathology
 4. Laboratory Tests
 5. Clinical Procedures
 6. Abbreviations
 7. Practical Applications
- J. Musculoskeletal System**
 1. Structure and Function
 2. Combining forms and related terminology
 3. Pathology
 4. Laboratory Tests
 5. Clinical Procedures
 6. Abbreviations
 7. Practical Applications
- K. Integumentary System**
 1. Structure and Function
 2. Combining forms and related terminology
 3. Pathology
 4. Laboratory Tests
 5. Clinical Procedures
 6. Abbreviations
 7. Practical Applications
- L. Maternity**
 1. Childbirth
 2. Birth defects
- M. Disease**
 1. Infectious diseases
 2. Inflammatory disorders
 3. Cancer
- N. Medical Treatment**
 1. Diagnosis
 2. Treatment
 3. Surgery
- O. Radiology**
 1. Diagnostic terms
 2. Nuclear medicine
 3. Radiation therapy
 4. Combining forms and terminology
 5. Abbreviations
 6. Practical applications
- P. Pharmacology**
 1. Introduction and general information
 2. Combining forms
 3. Abbreviation

4. Practical application

V. Assignments

A. Appropriate Readings

Weekly reading assignments from text

B. Writing Assignments

Written scenarios and definition activities

C. Expected Outside Assignments

Weekly homework assignments from the text, text reading.

D. Specific Assignments that Demonstrate Critical Thinking

Analyze medical case studies to interpret medical terminology and determine the meaning of the text. Compare and contrast diagnosis, treatment, laboratory, and x-ray information from medical records.

VI. Methods of Evaluation

Traditional Classroom Instruction

Term paper (topic choice, thesis statement, outline, bibliography, rough draft, final draft), homework, classroom discussion, essay, journals, lab demonstrations and activities, multiple choice quizzes, and participation.

Hybrid Evaluation

All quizzes and exams will be administered during the in person class time. Students will be expected to complete online assignments and activities equivalent to in class assignments and activities for the online portion of the course. Electronic communication, both synchronous and asynchronous (chat/forum) will be evaluated for participation and to maintain effective communication between instructor and students.

Online Evaluation

A variety of methods will be used, such as: research papers, asynchronous and synchronous (chat/forum) discussions, online quizzes and exams, posting to online website and email communications using the districts approved learning management system.

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

Traditional Classroom Delivery Correspondence Delivery

Hybrid Delivery Online Delivery

Traditional Classroom Instruction

Lecture, PowerPoint, and other media presentations, discussions, scenarios, and group presentations.

Hybrid Delivery

A combination of traditional classroom and online instruction will be utilized. Each semester a minimum of 1/3 of the lecture hours, will be taught face-to face by the instructor and the remaining hours will be instructed online through the technology platform adopted by the District.

Traditional class instruction will consist of exercises/assignments, lectures, visual aids, and practice exercises. Online delivery will consist of exercises/assignments, lecture posts, discussions, adding extra resources and other media sources as appropriate.

Online Delivery

A variety of methods will be used, such as: research papers, asynchronous and synchronous (chat/forum) discussions, online quizzes and exams, posting to online website and email communications using the districts approved learning management system.

VIII. Representative Texts and Supplies

This course uses digital course materials designed using Open Educational Resources (ORE), high-quality, open licensed educational materials, rather than a traditional textbook. You can access all readings, videos, quizzes and other activities through the digital learning platform adopted by the college.

Terminology:

Grimm S., Allee, C., Belitz, H., Gotz, T., Randolph, M., Strachota, E., and Zielinski L. (2022). *Medical Terminology*. Wisconsin Technical College System. <https://nicoletcollege.pressbooks.pub/lcmedicalterminology/>

Building a Medical Terminology Foundation:

Carter K. & Rutherford M. (2020). *Building a Medical Terminology Foundation*. eCampusOntario. <https://ecampusontario.pressbooks.pub/medicalterminology/>

Anatomy and Physiology:

Betts, J.G., Young, K.A., Wise, J.A., Johnson, E., Poe, B., Kruse, D. H., Korol, O., Johnson, J.E., Womble, M. & DeSaix, P. (2013). *Anatomy and Physiology*. OpenStax. <http://cnx.org/content/col11496/latest/>

IX. Discipline/s Assignment

Health Care Ancillaries, Licensed Vocational Nursing, Nursing, Biological Sciences, EMT, Health

X. Course Status

Current Status: Active

Original Approval Date: 11/23/1993

Revised By: Christi Myers

Curriculum/Academic Standards Committee Revision Date: 11/29/2022