

**ARTICULATION AGREEMENT**

**DATE DRAFTED:** May 25, 2022

**VALID ACADEMIC YEARS:** FA21-SP24

**LMC COURSE:** EMS-013 Medical Terminology for Health Care Professionals

**ADULT ED. CENTER COURSE:** Medical Terminology & Anatomy for Coding

**School:** Martinez Adult Education Center

**Address:** 600 F Street, Martinez, CA 94553

- A. COLLEGE COURSE DESCRIPTION:** This course provides an introduction of medical terms by analyzing medical words structurally and relating words to human body systems. Understanding of medical terms is correlated with basic anatomy and physiology, and disease processes.
- Emphasis is placed on spelling, definitions, usage and pronunciation of medical terms. This course prepares students for careers in nursing (BSN, RN, and LVN), Emergency Medical Technicians (EMT), medical office (Front and Back-office positions), allied health two year and four year education programs such as clinical lab scientists, medical imaging (X-ray, Ultrasound, CT Scan, MRI), respiratory therapy, dental assisting, dental hygienists, medical social work, certified nurse assistant (CNA), medical assistant (MA) and pre-med and pre-dental programs.
- B. UNITS:** 3
- C. PRE-REQUISITES:** None
- D. ADULT EDUCATION CLASS DESCRIPTION:** This course combines anatomy and physiology with the latest medical terminology needed by coders and coding students. Students begin with an introduction to medical terminology and analysis of medical terms by body system interspersed with ICD-10 and CPT coding guidelines and notes, electronic medical records, and integrated exercises. This ICD-10-CM classification system serves as the structure for organizing diseases and disorders. Through a new *Infectious Disease Process Basics* appendix, students also are provided with the terminology and physiology of infectious diseases. Updated CPT coding information indicates where physician coding differs from ICD-10 coding. Further emphasis is placed on understanding the pathophysiology of disease and proper spelling, usage and pronunciation of medical terms.
- E. REQUIRED CONTENT FOR ARTICULATION:**
- Techniques for building medical terms and understanding rules of basic word elements (word roots, prefixes, suffixes, and plural medical terms).
  - Categories of suffixes: (a) surgical, (b) diagnostic, (c) symptomatic, and (d) grammatical.
  - Prefixes related to: (a) anatomical position, (b) number, (c) measurement, and (d) direction.
  - Anatomical, physiological and pathological terms. Cellular and body structure, body position and directorial terms, body regions, and radiologic diagnostic methods using these terms.
  - Overview of body systems: relating to their anatomy, physiology and intersegmental relations between them.
  - Online Assignments: word pop quizzes, word construction and medical terminology application
  - Body System medical terminology for diagnostic, surgical, pathological word elements, and common abbreviations for:
    - o Integumentary
    - o Gastrointestinal
    - o Respiratory
    - o Cardiovascular
    - o Blood, Lymph and Immune
    - o Musculoskeletal
    - o Genitourinary
    - o Female Reproductive
    - o Endocrine
    - o Nervous
    - o Special Senses (Eye & Ear)

#### **F. REQUIRED COMPETENCIES (PERFORMANCE OBJECTIVES) FOR ARTICULATION:**

- Apply rules for defining medical terms using words roots, suffixes and prefixes
- Analyze medical terms with an understanding of anatomy, basic physiology and disease process of the human body for each body system.
- Correctly spell, pronounce and define medical terms.
- Analyze, define and use medical terminology appropriately in health care situations
- Read and comprehend medical records in context
- Provide acceptable abbreviations for medical terms and phrases.
- Combine basic medical word roots, prefixes and suffixes to form understandable medical terms.
- Research and identify careers associated with each body system.
- Communications: Acquire and accurately use Health Science and Medical Technology sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats.
- Identify barriers to accurate and appropriate communication.
- Interpret verbal and nonverbal communications and respond appropriately.
- Demonstrate elements of written and electronic communication such as accurate spelling, grammar, and format.
- Communicate information and ideas effectively to multiple audiences using a variety of media and formats.
- Advocate and practice safe, legal, and responsible use of digital media information and communications technologies.
- Recognize major word parts of medical terminology including roots, prefixes and suffixes. 2.8 Understand and use correct medical terminology for common pathologies.
- Technology: Use existing and emerging technology to investigate, research, and produce products and services, including new information, as required in the Health Science and Medical Technology sector workplace environment.
- Use electronic reference materials to gather information and produce products and services.
- Employ Web-based communications responsibly and effectively to explore complex systems and issues.
- Use information and communication technologies to synthesize, summarize, compare, and contrast information from multiple sources.
- Discern the quality and value of information collected using digital technologies and recognize bias and intent of the associated sources.
- Research past, present, and projected technological advances as they impact a particular pathway.
- Assess the value of various information and communication technologies to interact with constituent populations as part of a search of the current literature or in relation to the information task.
- Know the definition, spelling, pronunciation, and use of appropriate terminology in the health care setting.
- Use medical terminology in patient care appropriate to communicate information and observations.
- Accurately spell and define occupationally specific terms related to health care.
- Use roots, prefixes, and suffixes to communicate information.
- Use medical abbreviations to communicate information.
- Know the basic structure of medical terms.
- Demonstrate the correct pronunciation of medical terms.
- Practice word building medical terminology skills.

## G. METHODS FOR END OF COURSE ASSESSMENT:

- Course Participation – Each student is expected to contribute to the course with engagement during live Zoom classes on-line. Classes feature lecture, discussion and on-line games.
- Assignments - ALL must be completed before taking the Final Exam
  - Discussion Questions
  - Graded Chapter Quizzes (approximately 20 - 30 questions each)
  - Midterm (approximately 75 questions)
  - Final Exam (approximately 150 questions)
- Grading Policy:
  - The average percentage of the graded points from the assignments including your Final Exam will count towards the final grade. Students must receive a final grade of "B" or higher (80% or better) to pass the course.
  - Students must also receive a grade of "B" (80%) or better on the final exam to pass the course.
  - No retakes or makeup of any quiz or exam will be given.
- Grading Breakdown:
  - Discussion Questions = 10%
  - Graded Quizzes = 40%
  - Midterm = 25%
  - Final Exam = 25%

## H. TEXTBOOKS OR OTHER SUPPORTING MATERIALS

Required: The Language of Medicine by Davi-Ellen Chabner, BA, MAT, 11th Edition, published 2017

Recommended: Taber's Cyclopedic Medical Dictionary, 23rd Edition, F.A. Davis Company

## I. PROCEDURES AND/OR CRITERIA FOR COURSE ARTICULATION:

*(all of the following must be met)*

1. Students **must apply** to Los Medanos College and register in **CATEMA** in order to receive credit recommendations by their high school teacher.
2. Students **must be recommended** for credit by their high/adult ed. school teacher in **CATEMA**. *Teachers recommend credit at their discretion.*
3. Students **must complete** the Microsoft Office PowerPoint 2016 at Liberty Adult Education Center with an overall grade of "B" or better.  
*High school/Adult Ed. teachers will enter this grade in CATEMA.*
4. Students **must earn** a "B" or better on the agreed upon college/high school final exam procedure.  
*High school/Adult Ed. teachers will enter this exam grade in CATEMA.*
5. Articulated college credit may only be recommended by the high school teacher and received by the student **within the academic year** in which it was earned.
6. Upon completion of the above, the student will receive on his/her LMC and CCCCDC (California Community College District) transcript the units of credit for LMC's **BUS-035C PowerPoint** course.
7. College transcripts will reflect the **FINAL EXAM GRADE** earned and will be notated as \*Credit by Exam.

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### COLLEGE SIGNATURES

Natalie Hannum

Natalie Hannum (Oct 3, 2022 11:59 PDT)

Natalie Hannum  
LMC Vice President of Instruction

Date

Dennis Franco  
LMC Dean of Instruction (Interim), EMS

Date

Paul J. Cutino

Paul J. Cutino (Oct 3, 2022 11:48 PDT)

Paul Cutino  
LMC EMS Department Chair

Date

Stephanie M. St. Onge

Stephanie M. St. Onge (May 27, 2022 07:31 PDT)

Stephanie St. Onge  
LMC EMS Faculty

Date

### AEC/ROP/DISTRICT SIGNATURES

Suzanne Murphy

Suzanne Murphy (Oct 3, 2022 12:00 PDT)

Suzanne Murphy  
Principal/Director, Martinez Adult Education Center

Date

Gretchen Medel

Gretchen Medel (Oct 3, 2022 12:06 PDT)

Gretchen Medel  
MAEC EMS Faculty

Date

Los Medanos College

Los Medanos College












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Final Audit Report

2022-10-03

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Agreement completed.

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