

ARTICULATION AGREEMENT

DATE DRAFTED: November 1, 2022

VALID ACADEMIC YEARS: FA22-SP24

LMC COURSE: EMS 013 Medical Terminology for Health Care Professionals

HIGH SCHOOL COURSE: Medical Science and Terminology

School: Mt. Diablo High School

Address: 2450 Grant Street, Concord, CA 94520

- A. COLLEGE COURSE DESCRIPTION:** The course focuses on analysis of medical terms by body systems incorporating structure, body systems, and basic anatomy, physiology, and diseases process. Emphasis is placed on spelling, usage, and pronunciation of medical terms and also on a basic understanding of body systems with an emphasis on the pathophysiology of the disease.
- B. UNITS:** 3
- C. PRE-REQUISITES:** NA
- D. REQUIRED CONTENT FOR ARTICULATION:**

Course Outline

Unit 1 – Introduction to Basic Word Structure: This unit introduces the first three chapters of textbook. It addresses developing the early skills of identifying the word parts of combining form, suffix, and prefix. These skills are used to develop understanding of how to analyze a word to determine its meaning, begin relating terms to structure and function of human body, and awareness of spelling pronunciation. There is a brief overview about the organization, structure, and division of the body. This unit has vocabulary word related to the theme of each chapter of prefixes, suffixes, and combining form word parts.

Unit 2 – Digestion, Urinary and Reproductive System: This unit has vocabulary word parts of prefixes, suffixes, and combining forms focusing on the digestive, urinary, and reproductive system. Reviews anatomy and physiology of digestive system, urinary, and reproductive. Unit begins to discuss selected pathology and treatments related to these systems. For example, it would include anorexia, flatus, dental caries, periodontal disease, kidney stones, dialysis, ovarian cancer, ectopic pregnancy, and prostate cancer.

Unit 3 – Skin, Nervous, Cardiovascular: This unit has vocabulary word parts of prefixes, suffixes, and combining forms focusing on the skin, nervous, and cardiovascular systems. Reviews anatomy and physiology these systems. Discussion on selected pathology and treatments related to these systems. For example, it would include skin cancer, types of skin lesions, burn conditions, Parkinson disease, multiple sclerosis, epilepsy, Alzheimer disease, arrhythmias, congenital heart disease, congestive heart failure, hypertension. Students are introduced to electrocardiograms.

Unit 4 – Respiratory, Immune and Lymphatic, Musculoskeletal: This unit has vocabulary word parts of prefixes, suffixes, and combining forms focusing on the respiratory, immune and lymphatic, and musculoskeletal systems. Reviews anatomy and physiology these systems. A short introduction to x-rays is included with the musculoskeletal system. Discussion on selected pathology and treatments related to these systems. For example, it would include asthma, tuberculosis, tracheostomy, allergies, lymphoma, osteoporosis, arthritis, carpal tunnel.

Unit 5 - Sensory and Endocrine: This unit has vocabulary word parts of prefixes, suffixes, and combining forms focusing on the sensory and endocrine systems. Reviews anatomy and physiology these systems. Discussion on selected pathology and treatments related to these systems. For example, it would include astigmatism, cataract, glaucoma, macular degeneration, cochlear implants, deafness, diabetes, dwarfism, gigantism.

E. REQUIRED COMPETENCIES (PERFORMANCE OBJECTIVES) FOR ARTICULATION

At the end of the course the students will:

1. Synthesize Greek and Latin word roots, combining forms, prefixes, and suffixes to form medical words
2. Analyze unknown medical terms for possible meanings and usage in the health field
3. Identify the correct spelling and pronunciation of medical terms
4. Identify the basic anatomy and physiology of body systems
5. Identify acceptable medical abbreviations, transcriptions and their meanings
6. Recognize pharmacology terms
7. Recognize the sequence and relation between all the body systems. Human Anatomy, Physiology, Pathology, Diagnostic Procedures, Therapeutic Options, Rehabilitation procedures and Disease Prevention.

F. METHODS FOR END OF COURSE ASSESSMENT: ASSESSMENTS INCLUDING METHODS and/or TOOLS

- Project-based learning (Graded by rubric)
 - Cumulative unit presentations
 - Medical Innovations for real life medical phenomenon
- Unit exams
- End of Course Exam

G. TEXTBOOKS OR OTHER SUPPORTING MATERIALS

Medical Terminology for Health Professions, 8th Edition, by Ann Ehrlich, Carol L. Schroeder, Laura Ehrlich, Katrina A. Schroeder

H. 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 school teacher in **CATEMA**. *Teachers recommend credit at their discretion.*
3. Students **must complete** the Medical Terminology class at Mt. Diablo High School with an overall grade of "B" or better.
High school 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 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 CCCC (California Community College District) transcript the units of credit for LMC's **EMS-013 Medical Terminology for Health Care Professions** course.
7. College transcripts will reflect the **FINAL EXAM GRADE** earned and will be notated as *Credit by Exam.

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Natalie Hannum (Jan 10, 2023 10:36 PST)

Natalie Hannum
LMC Vice President of Instruction

Date



Dennis Franco
LMC Dean of Instruction (Interim) EMS/FIRE

Date

Paul J. Cutino

Paul J. Cutino (Dec 12, 2022 15:41 PST)

Paul Cutino
LMC EMS Department Chair

Date

Stephanie M. St. Onge

Stephanie M. St. Onge (Nov 7, 2022 09:01 PST)

Stephanie St. Onge
LMC EMS Faculty

Date

HIGH SCHOOL/ROP/DISTRICT SIGNATURESMarkell McCain

Markell McCain (Jan 25, 2023 15:54 PST)

Dr. Markell McCain
MDHS Principal

Date

Adam Clark

Adam Clark (Jan 26, 2023 10:19 PST)

Dr. Adam Clark
MDUSD Superintendent

Date

Heather S. Fontanilla

Heather Fontanilla
MDUSD Administrator of Career Pathways & Linked Learning

Date

Hayley Davis

Hayley Davis (Jan 26, 2023 07:34 PST)

Hayley Davis
MDHS Faculty

Date