

**PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE**

_____ Transfer Course X A.A Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: MA 55 Medical Terminology and Anatomy

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS: Appropriate language skills

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Basic medical terms with emphasis on word analysis and construction. Overview of anatomy and the pathological, diagnostic, therapeutic, and surgical terms related to the body as a whole and the integumentary, digestive, urinary, musculoskeletal, and male reproductive systems.

SPECIFIC COURSE OBJECTIVES:

Upon successful completion of this course, students will be able to

1. Analyze, construct, pronounce and correctly spell terms associated with the body as whole and in particular the integumentary, digestive, urinary, musculoskeletal and male reproductive systems;
2. Divide medical terms into their component parts;
3. Recognize and define basic roots, combining forms, prefixes and suffixes;
4. Apply the principles of logical word structure to construct medical terms using the correct components;
5. Correctly spell, utilize and pronounce medical terms;
6. Structurally analyze medical terms;

7. Effectively utilize a medical dictionary;
8. Locate and name organs and associated structures of specific body systems;
9. List and define the major functions of these body systems;
10. Describe the pathophysiological process of common disorders related to the particular body systems;
11. Discuss diagnostic tests pertinent to the organ/systems;
12. Identify frequently used medical and surgical interventions for various pathological conditions;
13. Analyze, construct and pronounce medical terms specific to the organs/systems; and
14. Discuss medical jargon and commonly used abbreviations.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Basic Word Structure
 - A. Objectives in studying medical terminology
 - B. Roots, combining forms, prefixes, and suffixes.
 - C. Rules for analysis and construction of terms
 - D. Medical specialties
 - E. Written exercises

- II. The Body as a Whole
 - A. Structural organization
 - B. Body cavities
 - C. Anatomical and clinical divisions of the abdomen
 - D. Planes, positions, and directional terms

- III. Digestive System
 - A. Anatomy and physiology
 - B. Combining forms and related terminology
 - C. Pathological conditions
 - D. Diagnostic procedures and tests
 - E. Medical and surgical treatments

- IV. Integumentary System
 - A. Anatomy of skin layers and accessory structures
 - B. Major functions of the skin
 - C. Combining forms and related terminology
 - D. Common lesions and symptoms of disease
 - E. Major pathological conditions

- V. Musculoskeletal System
 - A. Names and locations of major bones
 - B. Types of muscle and their functions
 - C. Function and formation of bone
 - D. Combining forms and related terminology
 - E. Common pathology of system
 - F. Diagnostic tests
 - G. Medical surgical interventions

- VI. Male Reproductive System
 - A. Anatomy and major functions
 - B. Combining forms and related terminology
 - C. Pathological conditions
 - D. Diagnostic procedures and tests
 - E. Medical and surgical procedures

- VII. Urinary System
 - A. Anatomy and major functions
 - B. Combining forms and relating terminology
 - C. Physiological steps in formation of urine
 - D. Urinalysis; physical, chemical and microscopic
 - E. Other diagnostic tests
 - F. Pathological conditions
 - G. Medical and surgical interventions

REQUIRED READING:

Chabner, Davi E. The Language of Medicine. 6th Edition. Philadelphia: W. B. Saunders Co., 2001.
Medical Nursing & Allied Health Dictionary. 5th Edition. St. Louis: Mosby, 1998.

SUGGESTED READING:

Chabner, Davi E. Medical Terminology, A Short Course. Philadelphia: W. B. Saunders Co., 1991.

Cohen, B.J. Medical Terminology: An Illustrated Guide. 2nd Edition. Philadelphia: J.B. Lippincott Co., 1994.

Guyton, A.C. Textbook of Medical Physiology. 8th Edition. Philadelphia: W.B. Saunders Co., 1988.

Leonard P. Building A Medical Vocabulary. 3rd Edition. Philadelphia: W.B. Saunders Co., 1993.

Martini, F. Fundamentals of Anatomy and Physiology. 2nd Edition. Englewood Cliffs, NJ: Prentice Hall, 1992.

Mulvihill, M. Human Diseases. A Systemic Approach. Englewood Cliffs, N.J.: Prentice Hall, 1991.

Rice, Jane. Medical Terminology with Human Anatomy. 4th Edition. Stamford, Connecticut: Appleton & Lange, 1994.

Rizzo, Donald. Delmar's Fundamentals of Anatomy & Physiology. Clifton Park, NY: Delmar Learning/Thomson Learning, 2001.

Sheldon, J. Boyd Introduction to the Study of Disease. 11th Edition. Philadelphia: Lea and Febiger, 1992.

Taber, C. Taber's Cyclopedic Medical Dictionary, 16th Edition. Philadelphia: F.A. Davis Publishing Co., 1989.

REQUIRED WRITING:

Essay question included on each major exam, short (1/2 to 1 page) reports on disorders related to the appropriate body systems.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Study of text, making flashcards, reviewing lecture notes, reading and interpreting medical publications, e.g., an article in the American or New England Medical Journal, and use of Internet to gather medical information.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Total point system utilized. Frequent quizzes and exams.

7 quizzes: 50 %

5 exams: 50 %

TOTAL 100%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

SIGNATURES ON FILE