

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 56 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 pathologic, diagnostic, therapeutic and surgical terms related to the cardiovascular, respiratory, hematologic, endocrine, and female reproductive systems, and to oncology.

SPECIFIC COURSE OBJECTIVES:

Upon successful completion of the course, the student will be able to:

1. Analyze, construct, correctly spell and pronounce medical terms associated with the cardiovascular respiratory, hematologic, endocrine and female reproductive systems and oncology.
2. Locate and name organs and associated structures of specific body systems;
3. List and define the major functions of these systems;
4. Describe the pathophysiology of various disorders of particular body systems;
5. Discuss diagnostic tests relevant to certain specialty areas;
6. Explain the use of specific medical and surgical interventions for various pathological conditions;
7. Read and interpret excerpts from medical literature related to various specialty areas;
8. Explain the basic pathophysiology of cancer; and
9. Differentiate the basic tumor types.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Basic Word Structure
 - A. Objectives in studying medical terminology
 - B. Word Elements
 - C. Analysis and construction of medical terms
 - D. Written exercises

- II. Respiratory System
 - A. Major organs and structures
 - B. Combining forms and terminology
 - C. Diagnostic tests
 - D. Common pathology
 - E. Routine medical and surgical procedures

- III. Cardiovascular System
 - A. Blood vessels and circulation
 - B. Anatomy and physiology of heart
 - C. Blood pressure
 - D. Combining forms and terminology
 - E. Electrocardiography
 - F. Surgical procedures and medical treatments

- IV. Endocrinology
 - A. Location and names of endocrine glands
 - B. Hormones of glands and their functions
 - C. Combining forms and terminology
 - D. Disease processes
 - E. Specific glandular functions tests
 - F. Treatments

- V. Female Reproductive System
 - A. Major organs and their functions
 - B. Terminology of menstruation and pregnancy
 - C. Hormonal interactions
 - D. Combining forms and terminology
 - E. Pathological conditions
 - F. Diagnostic and therapeutic procedures

- VI. Hematology
 - A. Composition and formation of cellular elements and plasma
 - B. Differentiation of white blood cells and functions
 - C. Red blood cells morphology and functions
 - D. Blood groups
 - E. Blood clotting
 - F. Combining forms and terminology
 - G. Blood dyscrasias
 - H. Diagnostic studies
 - I. Surgical and medical interventions

- VII. Oncology
 - A. Classification of tumors
 - B. Characteristics of benign and malignant neoplasms
 - C. Grading and staging systems
 - D. Cellular structure of tumors
 - E. Growth cycle of malignant cells
 - F. Combining forms and terminology
 - G. Etiology of cancer
 - H. Treatment of cancer
 - I. Current research projects

REQUIRED READING:

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

SUGGESTED READING:

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

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, 1999.

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

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

Taber, C. Taber's Cyclopedic Medical Dictionary. 19th Edition. Philadelphia: FA. Davis Publishing Co., 2001.

REQUIRED WRITING:

Essay questions on each major exam. Short (1/2 to 1 page) reports on disorders related to the appropriate body systems.

OUTSIDE ASSIGNMENTS:

Text reading, note studying, and making mandatory flash cards. Reading and interpreting medical publications, e.g. , an article in the American or New England Medical Journal.

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.

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 56380.

Yes ___ No x

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):

- 6 quizzes 25 points each
- 6 exams (essay questions included) 50 points each

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

Yes ___ No x 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