

VALENCIA COMMUNITY COLLEGE  
DENTAL HYGIENE PROGRAM  
**DEH 2300 - DENTAL PHARMACOLOGY - SYLLABUS**  
(2 Credits)

I. TERM: Summer - 2014

II. INSTRUCTOR: Sandra C. Pendergraft, RN, MSN  
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III. EDUCATIONAL MATERIALS:

A. REQUIRED:

1. Wynn, Richard L., et. al. Drug Information Handbook for Dentistry, Latest Edition, Lexi-Comp's Dental Reference Handbooks.

B. OPTIONAL (**either of the following**):

1. Woodrow, Ruth. Essentials of Pharmacology for Health Occupations, 6th Edition, Delmar.
2. Woodrow, Colbert and Smith. Essentials of Pharmacology for Health Professions, 7<sup>th</sup> Edition, Cengage Learning.

IV. COURSE DESCRIPTION:

Presentation of the physical and chemical properties, dosages, methods of administration and therapeutic usage of pharmaceutical preparations used in dentistry.

V. COURSE OBJECTIVES: Major Learning Objectives

The student will demonstrate:

- A. Knowledge of the general principles of pharmacology including actions, effects, administration and untoward effects of drugs.
- B. The ability to identify the basic drug groups.
- C. The ability to identify classifications of drugs and to utilize the PDR and Drug Information Handbook for Dentistry to appropriately fill-out prescriptions for medications commonly used in dental care.
- D. The ability to identify appropriate methods of pain control. (Pain control specific to dental care will be covered in a separate dental hygiene course.)

VI. PROFESSIONAL COMPETENCIES (VCC Catalog):

- C.4 Assume responsibility for dental hygiene actions and care based on accepted scientific theories and research as well as the accepted standard of care.
- C.5 Continuously perform self-assessment for life-long learning and professional growth.

- C.9 Provide accurate, consistent and complete documentation for assessment, diagnosis, planning, implementation and evaluation of dental hygiene services.
- PC.1 Systematically collect, analyze and record data on the general, oral and psychosocial health status of a variety of patients/clients using methods consistent with medical-legal principles.

This competency includes:

- a. Select, obtain and interpret diagnostic information recognizing its advantages and limitations.
- b. Obtain, review and update a complete medical, family, social and dental history.
- c. Recognize health conditions and medications that impact overall patient/client care.
- d. Identify patients/clients at risk for a medical emergency and manage the patient/client care in a manner that prevents an emergency.

VII. TEACHING STRATEGIES:

- A. Lecture and discussion
- B. Audiovisual aids
- C. Computer based instructional activities
- D. Reading assignments
- E. Critical thinking exercises (including case studies)

VIII. EVALUATION METHODS:

- A. Attendance - Required for each session
- B. Midterm Exam (multiple choice) - 30%
- C. Final Exam (comprehensive; multiple choice) - 35%
- D. Quizzes - (weekly; non-cumulative; predominantly multiple choice) - 35%

IX. GRADING SCALE:

A = 93 - 100%  
B = 85 - 92%  
C = 75 - 84%  
D = 67 - 74%  
F = 0 - 66%

X. CLASSROOM POLICIES:

- A. Academic Honesty

Each student is expected to be in complete compliance with the school policy on academic honesty as set forth in the admissions catalog and the student handbook.

- B. Homework

Students will be expected to have read and studied the assigned sections before they are discussed in class. Even though suggested homework will not be graded you will find that the best way to find out if you understand the methods and principles involved is to acquaint yourself with the material prior to hearing the classroom presentation.

C. Make-Up Policy

No make-up quizzes will be given. You may drop or miss 2 quizzes without penalty. Midterm and final exam make-ups will be scheduled individually by contacting the instructor via e-mail or telephone. Make-ups will only be given in cases of illness or emergency and may differ from the original exam.

D. Legibility

All material to be handed in will be typed or written in black ink. This includes exams unless scan sheets are used for answers to multiple choice questions. If you make a mistake, draw a line through the incorrect entry or statement then add your correction next to it. Neatness counts. A violation of this rule will cost you one (1) point from your assignment or test score.

XI. VALENCIA COMPETENCIES ADDRESSED IN THIS COURSE:

Valencia faculty have defined four interrelated competencies (Value, Think, Communicate, Act) that prepare students to succeed in the world community. These competencies are outlined in the College Catalog. In this course, through classroom lecture and discussion, group work, and other learning activities, you will further develop your mastery of these core competencies.

A. Value

Make reasoned value judgements and responsible commitments.

B. Think

Think clearly, critically and creatively. Analyze, synthesize, integrate and evaluate in many domains of human inquiry.

C. Communicate

Communicate with different audiences using varied means.

D. Act

Act purposefully, reflectively and responsibly.

XII. DISCLAIMER:

Changes in syllabus and/or schedule may be made at any time during the term by announcement of the professor. A revised syllabus may be issued at the discretion of the professor.