

DHY 208 Dental Pharmacology

Course Abstract

If you need accommodations due to a disability, contact Disability Services in
Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

Course ID and Name: DHY 208 Dental Pharmacology

Department: Dental Hygiene

Course Instructor: Thomas A. Viola, RPh, C.C.P.

Prerequisites: None

Co-Requisites: BIO 112, DHY 203, DHY 207, DHY 211, DHY 215

Course Description:

Dental Pharmacology introduces the dental hygienist to the study of drugs and how they affect biological systems. This course will provide the student with a base of knowledge in the principles of pharmacology and the drugs used in the current therapy of disease states, as well as a solid foundation in the terminology and vocabulary that is associated with pharmacology. Special emphasis is given to those drugs administered or prescribed in the dental practice, as well as those drugs whose actions, side effects, or interactions with other drugs may impact dental healthcare.

General Education Status:

Credits: 2 **Lecture Hours:** 0 **Lab Hours:** 0 **Practicum Hours:** 0 **Recitation Hours:** 0

Learning Outcomes:

1. Describe general principles of pharmacology. **C3, HP2, HP3, HP4, HP5, PC1, PC2, PC3, PC4**
 - a. Basic mechanisms of drug action, including receptor-mediated and receptor-independent actions, agonists and antagonists, and dose effect relationships.
 - b. Factors that influence the pharmacokinetics of drugs.
 - c. Therapeutic applications of drugs, including routes of administration, and variables that affect drug response
 - d. Adverse reactions and general methods of toxicity prevention.
 - e. The mechanism and classification of drug interactions.
2. Describe the pharmacology of each class of drugs and the dental implications relative to oral complications and alterations in dental management. **C2, C3, HP2, HP3, HP4, HP5, PC1, PC2, PC3, PC4**

Course Objectives:

1. Recognize and demonstrate knowledge of the 100 most frequently prescribed brand name drugs. **HP2, HP3, HP4, HP5, PC1, PC2, PC3, PC4**
2. Demonstrate knowledge of the current pharmacologic therapy of disease states, as well as specific drug therapies used in dental practice. **C2, C3, HP2, HP3, HP4, HP5, PC1, PC2, PC3, PC4**
3. Demonstrate knowledge of self-administered herbal products and information literacy skills necessary to prepare a written research report. **C3, HP2, HP3, HP4, HP5, PC1, PC2, PC3, PC4**