

# VIRGINIA WESTERN COMMUNITY COLLEGE

## DNH 216

### PHARMACOLOGY

#### PREREQUISITES

DNH 111; DNH 115; DNH 120; DNH 130 and DNH 141

#### COURSE DESCRIPTION

Studies the chemical and therapeutic agents used in dentistry, including their preparation, effectiveness, and specific application.

**SEMESTER CREDITS: 2**

**LECTURE HOURS: 2**

#### REQUIRED MATERIALS

##### TEXTBOOKS:

- Haveles, Applied Pharmacology for the Dental Hygienist (8<sup>th</sup> Edition) ISBN # 9780323595391 Mosby \*\*\*OR current updated edition\*\*\*
- Wynn, et al. Drug Information Handbook for Dentistry. 26<sup>th</sup> edition ISBN: 978-1-59195-382-1 Lexicomp \*\*\*OR current updated edition\*\*\*
- Clinical Practice of the Dental Hygienist by Boyd. 14<sup>th</sup> edition ISBN: 9781284255997 Jones & Bartlett Learning
- Virginia Western Community College, Dental Hygiene Student Guidelines and Procedures Manual \*\*\*current cohort updated edition\*\*\*

##### REQUIRED ITEMS:

- **PLASTIC BOX** TO FILE SEVERAL INDEX CARDS
- **No larger than** - 6 ½ inches long x 5 inches tall x 4 inches deep
- **Lined** Index Cards (need to fit with plastic box noted above)
- Divider Cards /Tab Cards (need to fit with plastic box noted above)

## **COURSE OUTCOMES**

**At the completion of this course, the student should be able to:**

1. Apply knowledge from the previous semester to the concepts of pharmacology presented in this course.
2. Utilize the information presented to augment your current knowledge in treatment planning and treatment modifications for clinical situations.
3. Gain an understanding of the significance and impact of pharmacotherapeutic agents on the overall health status of the clients in your clinical caseload.
4. Recognize the impact of interaction of the prescription and OTC drugs taken by the client with drugs used in dental treatment.
5. Recognize the impact of research and release of new drugs on the study of pharmacology as a science.
6. Recognize the need for ongoing education in this area due to the advent of new drugs and manifestations of diseases.

## **TOPICAL DESCRIPTION**

- Unit 1 - Information Sources, Regulatory Agencies, Drug Legislation, and Prescription Writing, Natural/Herbal Products and Dietary Supplements, Pregnancy/Breast Feeding, Drug Action & Handling, Adverse Reactions, and Substance Use Disorders
- Unit 2 - Autonomic Drugs, Adrenergic and Adrenergic Blocking Agents
- Unit 3 - Non-Opioids, Opioids & Antagonists, Local Anesthetic, General Anesthetics Anti-Infective Agents, Antifungal & Antiviral Agents,
- Unit 4 - Antianxiety Agents, Drugs for the Treatment of CNS Disorders, Drugs for The Treatment of Cardiovascular Disease, Drugs For The Treatment Of GI Disorders, Drugs for The Treatment of Seizure Disorders, Adrenocorticosteroids, Drugs For The Treatment Of Diabetes Mellitus, Drugs For The Treatment Of Other Endocrine Disorders, Drugs For The Treatment Of Respiratory Disorders And Allergic Rhinitis, And Antineoplastic Drugs

[TITLE IX STATEMENT](#)

[ADA STATEMENT](#)