

COURSE IMPLEMENTATION DATE: September 2007
 COURSE REVISED IMPLEMENTATION DATE:
 COURSE TO BE REVIEWED: September 2009
 (Four years after UPAC final approval date) (MONTH YEAR)

OFFICIAL COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
 Shaded headings are subject to change at the discretion of the department and the material will vary
 - see course syllabus available from instructor

FACULTY/DEPARTMENT:	Faculty of Science, Health and Human Services / Dental Hygiene Program	
DHYG 210		2
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	Pharmacology I	
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

Principles of pharmacology and drug therapy are presented and the specific drugs and techniques of pain control used in dentistry are discussed. The successful completion of the local anesthesia portion of this course is required before a student is allowed to deliver local anesthetics in the clinical setting.

PREREQUISITES: **DHYG 162**
 COREQUISITES: **DHYG 260**

SYNONYMOUS COURSE(S)	SERVICE COURSE TO:
(a) Replaces: _____ (Course #)	_____
(b) Cannot take: _____ for further credit. (Course #)	_____

TOTAL HOURS PER TERM:	30	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:		LENGTH OF COURSE: _____
Lectures: 22 Hrs		HOURS PER DAY: _____
Seminar: Hrs		
Laboratory: 8 Hrs		
Field Experience: Hrs		
Student Directed Learning: Hrs		
Other (Specify): Hrs		

MAXIMUM ENROLLMENT:	16
EXPECTED FREQUENCY OF COURSE OFFERINGS:	Fall term, 2nd year only
WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ Shauna Warner	Chairperson: _____ Rosie Friesen (<i>Curriculum Committee</i>)
Department Head: _____ Wanda Gordon	Dean: _____ Jackie Snodgrass
PAC Approval in Principle Date: _____	PAC Final Approval Date: September 30, 2005

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

The student will be able to:

1. Understand basic pharmacological concepts and principles, including drug regulations and the issue of drug abuse
2. Understand the pharmacology of topical and local anesthetics
3. Understand how to safely and effectively administer local anesthetics in order to achieve pain control
4. Describe the autonomic group of drugs, narcotic and non-narcotic analgesics, and antimicrobials

METHODS:

Lecture
Lab practice
Clinical exercises

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check:) Yes No

METHODS OF OBTAINING PLAR:

Challenge Exam

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Requa-Clark, B.(2000) Applied Pharmacology for the Dental Hygienist(4th ed.).St. Louis: Mosby Company

Malamed, S.F.(2004) Handbook of Local Anesthesia, (5th ed.).St. Louis: Mosby Company

UCFV Course Pack DHYG 210

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

The final grade for this course will be assigned, based on the following:

Quiz #1	30%
Quiz #2	30%
Final Exam	40%

UCFV letter grading system will be used. A passing grade is 70% (B-)

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Main Themes / Critical Elements are:

1. Basic concepts relating to pharmacology
2. The characteristics of drug action
3. Adverse reactions to drugs
4. Prescriptions; drug abuse
5. Pain and pain perception
6. Pharmacology of local anesthetics
7. Pharmacology of vasoconstrictors
8. Topical anesthetics in dentistry
9. Assembly and preparation of local anesthesia armamentarium
10. Client evaluation and general principles for local anesthetic administration
11. Local anesthesia complications and emergencies
12. Local anesthetic injections used for dental hygiene care

13. Modifications to local anesthetic techniques used in dentistry
14. Characteristics of drugs affecting the autonomic nervous system
15. Characteristics of non-narcotic analgesics
16. Opioid analgesics
17. Anti infective / antimicrobial agents in dentistry