

<b>Course Title</b>	<b>Pharmacology-II-</b>	<b>Course Code</b>	<b>511 PHL</b>	
<b>Prerequisite</b>	<b>213 PHL</b>	<b>Teaching Language</b>	<b>English</b>	
<b>Level</b>	<b>Fifth Year</b>	<b>Credit Hours</b>	<b>1 H</b>	<b>1 H Lecture</b>
<b>Contact hour/s</b>				
	<b>Lecture</b>	<b>Practical</b>	<b>Clinical</b>	<b>Total</b>
<b>1<sup>st</sup> semester</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
				<b>1</b>

### Course Description

This course covers most important aspects of clinical pharmacology and its implication in dentistry. Drug therapy principles such as significance of taking medication history, proper writing of a prescription and patient's instructions are discussed. Potential drug interactions and side effects are also presented. Contraindications of certain drugs such as during pregnancy or lactation are highlighted. Clinical pharmacology and therapeutics of commonly used drugs such as hypnotics, anti-anxiety, antidiabetics, anti-hypertension, anticoagulants, and antihypertensivity agents are also discussed.

### Course Aims

1.	Understand the principles of clinical pharmacology and drug therapy in addition to clinical aspects of drugs implicated in dentistry.
2.	Train student how to maximize patient compliance to medications, taking drug history and proper writing of prescriptions.
3.	Have a basic knowledge on drug-drug and food-drug interactions encountered clinically, particularly in dental practice.
4.	Understand the hazards of drug used during pregnancy and lactation.
5.	Have a basic knowledge of pharcotherapy of hypnotics, anti-anxiety agents,

	coagulants, anticoagulants, antihypertensives and antidiabetics drugs.
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**Course Intended Learning Outcomes:**

By the end of this course, the students will be able to:

1.	Discuss the importance and basic principles of clinical pharmacology.
2.	Identify drugs to treat common medical problems and know their mechanism of action and side effects.
3.	Demonstrate knowledge of mechanism of action, indications, contraindications and adverse events associated with commonly used medications in clinical dentistry.
4.	Discuss common drug/dug and drug/food interactions.
5.	Demonstrate knowledge of how to recognize and assess patient's risks for medication such as pregnancy and cross-reactivity.
6.	Write a proper prescription with clear instructions for use of the medication.

**Course Content**

Topics List	No. of Weeks	Contact Hours
Introduction	1	1
Clinical Pharmacology	2	2
Drugs Implicated in Dentistry	2	2
Drug – Drug Interactions Clinically	1	1
Food – Drug Interactions Clinically	1	1
Patient's Compliance to Medication	1	1
Hazards of drug Used during Pregnancy and Lactation	1	1

Pharcotherapy of Hypnotics, Anti-anxiety Agents	1	1
Coagulants	1	1
Local anesthetic agents	1	1
Antihypertensive agents	1	1
Antidiabetic agents	1	1
Revision	1	1

**Recommended Books, References & Teaching Materials**

Book's Name	Author	Publisher	Year
Lippincott's Illustrated Reviews: Pharmacology	Richard A. Harvey and Pamela C. Champe	J.B. Lippincott	2011
Pharmacology and Therapeutics for Dentistry	<u>Yagiela</u> , <u>Dowd</u> , <u>Johnson</u> , <u>Mariotti</u> and <u>Neidle</u>	Mosby	2010