

# Advanced Pharmacology in Dentistry (MPHL 411)

(1+0)

## Course Content

This course deals with factors affecting drug actions and reactions particularly those related to the physician and patient behaviors. Various aspects of drug therapy, such as patient compliance, significance of taking drug history and proper writing of prescription will be considered. Emphasis will be given on classification and mechanisms of drug adverse reactions. Clinical drug-drug and food-drug interactions encountered clinically, particularly in dental practice will be involved. Misuse and abuse of drugs during pregnancy and lactation will be considered.

## TOPICS IN MPHL – 411

1. Patient compliance
  - a. factors affecting patient compliance
  - b. Methods adopted to improve patient compliance
2. Drug history
  - a. Significance of taking drug history with special emphasis on its importance in dental practice.
3. Drug prescribing
  - a. Principles of proper prescription writing
  - b. Avoidance of prescription errors
4. Adverse drug reactions
  - a. Mechanisms of adverse drug reactions
  - b. Classification of adverse drug reactions
  - c. Photo allergic reactions
5. Drug Interactions

- a. Mechanisms of clinical drug interactions
  - b. Food-drug interactions in dental practice
- 6. Drug prescribing in pregnancy
  - a. Risk of drug administration in relation to pregnancy state
  - b. Misuse of drugs during pregnancy
- 7. Drug therapy and breast feeding
- 8. Embryotoxicity, fetotoxicity and infant toxicity of abused drugs, alcohol and smoking.

### **Suggested Books For Reading:**

- 1. Pharmacology and Therapeutics for dentistry (Needle Kroger)
- 2. Pharmacological basis of therapeutics (Goodman and Gilman)