

Course Description for Pharmacology 260

PCOL 260: 3 credit hours

This course is designed for anyone with an interest in drugs and medicine: from students pursuing careers in the health professions to conscious health care consumers. It examines the science behind the uses of drugs, covering a variety of common prescription medications, over-the-counter drugs, supplements and herbal medicines, and drugs of abuse. The clinical use, mechanism of action, and important side effects of each class of drugs are explored within the context of the body's organ systems.

Components of the Online Pharmacology 260 Course

Online Lecture Notes

Detailed notes like what you would take in class, only better! Includes:

- Interactive questions designed to help you understand key points
- Audio buttons let you hear the pronunciation of each drug's name
- Important terms are highlighted for you
- Color illustrations and diagrams
- Audio mini lectures in MP3 format
- All notes available both on-line and in Acrobat format (.pdf) suitable for printing, off-line viewing or archiving.

Communication with the Instructor

- Exam/quiz review sessions are conducted via the course chat room
- Online forum: a place to ask questions and make comments relevant to the material
- And, of course, email and phone

Textbook. Select based on preference; one of these texts required.

Nursing and Patient Care: *Pharmacology for Nurses: A Pathophysiologic Approach, 4th Edition*, by M. Adams, L. N. Holland and C. Urban. (Prentice Hall, 2013; 0-13302618-3)

Dental Hygiene and Pre-Dentistry: *Applied Pharmacology for the Dental Hygienist, 7th Edition*, by Elena Bablenis Haveles. (Mosby, 2016; ISBN: 0323171117).

Introduction to Pharmacy: *Lippincott's Illustrated Reviews: Pharmacology, 6th Edition*, by K. Whalen. (Wolters Kluwer Health, 2014; ISBN: 1451191774).

Graded Assignments:

- 4 Exams – given online
- 1 Final exam – given online
- Question sets – one per week

Questions? Contact Karen Woodfork, Ph.D. kwoodfork@hsc.wvu.edu
Register at WVU Extended Learning 800-2LEARN2 elearn.wvu.edu

Quick Question

Question: What are two common disadvantages associated with using the cardiac glycosides and the phosphodiesterase inhibitors?

[CLICK HERE FOR ANSWER](#)

Quick Question

Question: What are two common disadvantages associated with using the cardiac glycosides and the phosphodiesterase inhibitors?

Answer: Both can cause potentially fatal cardiac arrhythmia. Neither drug actually increases the survival time of a heart failure patient over an untreated person with heart failure - phosphodiesterase inhibitors actually decrease survival with long-term use.

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Interactive questions and answers.

A. Cardiac Glycosides

1. Examples
 - Drug to know: **digoxin** (Lanoxin®)
 - Other drugs: digitoxin (Crydogidin®)
 - These drugs are sometimes called **digitalis glycosides** because
2. Therapeutic Use

4. Adverse Effects

- **Cardiac arrhythmia** (dysrhythmia)
 - Can be fatal!
 - Is more common in individuals with low blood potassium levels

Hilighted terms and audio button.

