

Basic Course Information

Semester:	Spring 2019	Instructor Name:	Ms. Palacios
Course Title & #:	Pharmacy Technician Body Systems 2- PHT 125	Email:	Graciela.palacios@imperial.edu
CRN #:	20908	Last day to Drop With "W":	11 May 2018
Classroom:	2150	Office #:	2155
Class Dates:	8 APR – 05 JUN 2018	Office Hours:	3:00 pm – 4:00 pm
Class Days:	Mon & Wed	Office Phone #:	760-355-6468
Class Times:	8:00 am -11:10 am	Emergency Contact:	Dolores Hartfield
Units:	3.0		

Course Description

This course explores the anatomy, pathophysiology and related pharmacology treatments for diseases and conditions of the endocrine, gastrointestinal, hematological, nervous, musculoskeletal, as well as the eyes, ears, nose and throat. The classification and indication for generic and trade name medications for these systems will be explored. Accurate use of medical vocabulary and descriptive terms is expected. (CSU)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

Outcome 1: correctly identify the drug classification, indication, and common side effect of medications used in the treatment of endocrine and/or gastrointestinal diseases or conditions (ILO2, ILO4)

Outcome 2: identify the pathology of musculoskeletal conditions or diseases such as osteoporosis. (ILO 2, ILO 4, ILO 5)

Outcome 3: describe the chemical and electrical messaging/conduction through the nervous system and relationship to medications. (ILO 2, ILO 4, ILO 5)

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. List basic terminology associated with the endocrine system.
2. Describe the normal anatomy/physiology related to the endocrine system.
3. Discuss the common diseases/conditions and pathology of the endocrine system.
4. List the classifications and indication for each drug (generic and trade name) related to treatment of endocrine diseases or conditions.
5. Discuss the common side effects of drugs used to treat diseases and/or conditions of the endocrine system.
6. List basic terminology associated with the gastrointestinal system.
7. Describe the normal anatomy/physiology related to the gastrointestinal system.
8. Discuss the common diseases/conditions and pathology of the gastrointestinal system.

9. List the classifications and indication for each drug (generic and trade name) related to treatment of gastrointestinal diseases or conditions.
10. Discuss the common side effects of drugs used to treat diseases and or conditions of the gastrointestinal system.
11. List basic terminology associated with the hematologic system.
12. Describe the normal anatomy/physiology related to the hematologic system.
13. Discuss the common diseases/conditions and pathology of the hematologic system.
14. List the classification and indications for drugs (generic and trade name) related to treatment of hematologic system.
15. Discuss the common side effects of drugs used to treat diseases and/or conditions of the hematologic system.
16. List basic terminology associated with the nervous system.
17. Describe the normal anatomy/physiology related to the nervous system.
18. Discuss the common diseases/conditions and pathology of the nervous system.
19. List the classifications and indication for each drug (generic and trade name) related to treatment of nervous diseases or conditions.
20. Discuss the common side effects of drugs used to treat diseases and/or conditions of the nervous system.
21. List basic terminology associated with the musculoskeletal system.
22. Describe the normal anatomy/physiology related to the musculoskeletal system.
23. Discuss the common diseases/conditions and pathology of the musculoskeletal system.
24. List the classifications and indication for each drug (generic and trade name) related to treatment of musculoskeletal diseases or conditions.
25. Discuss the common side effects of drugs used to treat diseases and or conditions of the musculoskeletal system.
26. List basic terminology associated with the ear, eye, nose and throat conditions.
27. Describe the normal anatomy/physiology related to the ear, eye, nose and throat.
28. Discuss the common diseases/conditions and pathology of ear, eye, nose and throat problems.
29. List the classification and indication for each drug (generic and trade name) related to treatment of the ear, eye, nose and throat problems.
30. Discuss the common side effects of drugs used to treat diseases and/or conditions ear, eye, nose and throat problems.

Textbooks & Other Resources or Links

1. Pharmacology for Pharmacy Technicians 6 Ed. Ballington, D.A, Laughlin, M.M. 2013 Paradigm ISBN: 978-0-76388-424-6

Course Requirements and Instructional Methods

You will be graded on the following areas in this class: Homework, Tests, and Attendance.

- You will have weekly assigned reading. You will complete assigned homework via Canvas. Each assignment in due before class starts.
- You will have two exams: Mid-Term and Final. No make-ups are allowed.
- There will be a research paper for this class with the following requirements: 5 pages, 1 title page, 1 reference page with no less than 3 resources, Font: Times New Roman, size: 12. Research paper will be on a disease covering the topics for this semester (more to follow).

- Complete assigned reading on anatomy, physiology, pathology, and pharmacology dealing with the integumentary system, respiratory, cardiovascular, renal, and reproductive system. Search for website that is informative and confirms what was in your assigned reading. In your own words, summarize the information in a single page typed report and add the link, URL, or screenshot of the homepage of the website you used to confirm the information.
- Compose a 1 page typed report, with 3 resources/references on 1 common disorder of the integumentary system, respiratory, cardiovascular, renal, and reproductive system with 2 common drugs used to treat the condition and the common side effects of the drugs used. Cite your resources/references and ensure the paper is in your own words.

Course Grading Based on Course Objectives

Grading Schedule: The following grading schedule will be used in this course:

90% - Above = A

80% - 89% = B

70% - 79% = C

60% - 69% = D

59% - Below = F

Attendance

- A student who fails to attend the first meeting of a class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the [General Catalog](#).
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- CANVAS LMS. Canvas is Imperial Valley College's main Learning Management System. To log onto Canvas, use this link: [Canvas Student Login](#). The [Canvas Student Guides Site](#) provides a variety of support available to students 24 hours per day. Additionally, a 24/7 Canvas Support Hotline is available for students to use: 877-893-9853.
- Learning Services. There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- Library Services. There is more to our library than just books. You have access to tutors in the [Study Skills Center](#), study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services](#) (DSP&S) office as soon as possible. The DSP&S

office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- **Student Health Center.** A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information.
- **Mental Health Counseling Services.** Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1 April 8, 10	Syllabus & Introduction Chapter 6: Anesthetics and Narcotics	Pages: 156-205
Week 2 April 15, 17	Chapter 7: Psychiatric and Related Drugs Chapter 8 : Drugs for Central Nervous System Disorder	Pages: 209-251 Pages: 253-290
Week 3 April 22, 24	No Classes – Spring Break	
Week 4 Apr 29, May 1	Chapter 10: Drugs for GI and Related Disorders Chapter 13: Drugs for Muscle and Joint Disease	Pages: 253-410 Pages: 509-547
Week 5 May 6, 8	Review for Mid-Term / Mid-Term	
Week 6 March 13, 15	Chapter 14: Hormonal Disorders and Their Treatment Chapter 15: Topical, Ophthalmic, and Otic Medications	Pages: 549-617 Pages: 619-663
Week 7 May 20, 22	Chapter 16: Cancer Drugs and Chemotherapy Chapter 17: Vitamins, Electrolytes, Nutrition, Antidotes and Bioterrorism	Pages: 667-705 Pages 707-753
Week 8 May 27, 29	No Class Power Point Presentation	
Week 9 June 3, 4	Review For Final Exam / Final Exam	

*****Tentative, subject to change without prior notice*****