

Basic Course Information

Semester:	Fall 2016	Instructor Name:	Ms. Ramirez
Course Title & #:	Calc & Pharm, Pharmacy Technician PHT 130	Email:	ms.ramirez81@gmail.com
CRN #:	10850	Last day to Drop With "W":	05 NOV 2016
Classroom:	2150	Office #:	2155
Class Dates:	15 AUG 2016 – 9 DEC 2016	Office Hours:	6:00pm
Class Days:	Wednesday	Office Phone #:	760-355-6468
Class Times:	630-940pm	Emergency Contact:	Dolores Hartfield
Units:	3.0		

Course Description

This course is designed to prepare students for pharmacology calculations related to dosage, measurements of strength, and safe preparation of medication. There is a focus on unit-cancellations for solving pharmacy situation problems. Principles of pharmacology are utilized with an emphasis on the classification, indication, interaction, and common side effects of major drug classes. (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:

1. Students will perform dimensional analysis. (ILO 2, ILO 4)
2. Students will be able to solve proportion and ratio problems as required in the pharmacy. (ILO 2, ILO 4)
3. Students will be able to solve mixture and allegation problems that arise in a typical pharmacy. (ILO 2, ILO 4)

Course Objectives

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

1. Describe the differences among the Apothecary system, Avoirdupois System, Metric System, and Common Household Measurements.
2. Convert Arabic numbers into roman numerals.
3. Demonstrate the ability to convert among measurement systems commonly used on prescriptions.
4. Use mathematical calculations to determine dosage utilizing ratios/proportions, fractions, and percentages.
5. Demonstrate the ability to set up equations and solve problems for determining days supply of medication.
6. Demonstrate the ability to set up equations and solve problems for determining pediatric dosages.
7. Demonstrate the ability to set up equations and solve problems for determining drip rates.
8. Demonstrate the ability to set up equations and solve problems for determining Alligation.

9. Demonstrate the ability to set up equations and solve problems for determining percent dosages.
10. List the major classification of drugs and indications for their usage.
11. Discuss common drug interactions with each classification of drug.
12. Describe the common side effects of drugs by classification and usage.
13. Review drug routes and indications for usage.
14. Discuss legal implications for pharmacies in regards to controlled substances.

Textbooks & Other Resources or Links

Pharmacy Calculations, Fifth Edition ©2016, Mary F. Powers, Janet B. Wakelin 1-61731-420-X

Course Requirements and Instructional Methods

You will be graded on the following areas in this class: Homework, Quizzes, Tests, Classroom Participation, and Extra Credit.

Assignment Schedule: Assignments will be given weekly and are due the following class meeting. All assignments will be collected at the beginning of class for full credit. All late assignments turned in will be graded at a reduced rate, approximately ½ of full credit. If you are absent for a class meeting, your assignments are immediately due the following class meeting along with any work scheduled to be turned in that day.

You will be given weekly quizzes on assignment covered in class and based on homework at the beginning of class. Pop up quizzes can be given so always be prepared.

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.

- [Blackboard Support Site](#). The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- [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 August 17	Syllabus & Introduction Chapter 1 – 3 p. 7- 8 (1-40) p.13-14 (1-60) p. 19-20 (1-60) Due 8/24	p. 7- 8 (1-40 E) p.13-14 (1-60 E) p. 19-20 (1-60 E) Due 8/24
Week 2 August 24	Chapter 4 – 6 p. 25-30(1-50) p. 33-38 (1-70) p.41-42 (1-45) Due 8/31 Quiz Chapters 1-3	p. 25-30(1-50) p. 33-38 (1-70) p.41-42 (1-45) Due 8/31
Week 3 August 31	Chapter 7 – 9 p.47-48 (1-45) p.51-58 (1-50) p.61-68 (1-68) Due 9/7 Quiz Chapters 4-6	p.47-48 (1-45 E) p.51-58 (1-50 E) p.61-68 (1-68 E) Due 9/7
Week 4 September 7	Chapter 10 – 12 p. 76-78 (1-43) p.81-86 (1-75) p. 9-96(1-45) Due 9/14 Quiz Chapters 7-9	p. 76-78 (1-43 E) p.81-86 (1-75 E) p. 9-96(1-45 E) Due 9/14
Week 5 September 14	Chapter 13 – 15 p. 99-102 (1-45) p. 107-110 (1-40) p.117-120 (1-50) Due 9/21	p. 99-102 (1-45) p. 107-110 (1-40)

Imperial Valley College Course Syllabus – PHT 130 Calc & Pharm

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
	Quiz Chapters 10-12	p.117-120 (1-50) Due 9/21
Week 6 September 21	Chapter 16 – 18 p.125-130 (1-49) p.135-140 (1-30) p. 143-148 (1-25) Due 10/5 Quiz Chapters 13-15	STUDY STUDY Chapters 1-18
Week 7 September 28	Mid-Term	p.125-130 (1-49 E) p.135-140 (1-30 E) p. 143-148 (1-25 E) Due 10/5
Week 8 October 5	Chapter 19 – 21 p. 151-156 (1-25) p. 159-168 (1-30) p. 171-174 (1-36) due 10/12 Quiz Chapters 16-18	p. 151-156 (1-25) p. 159-168 (1-30) p. 171-174 (1-36) Due 10/12
Week 9 October 12	Chapter 22 – 24 p. 177-180 (1-40) p. 183-186 (1-30) p.191-194 (1-28) Due 10/19 Quiz Chapters 19-21	p. 177-180 (1-40 E) p. 183-186 (1-30 E) p.191-194 (1-28 E) Due 10/19
Week 10 October 19	Chapter 25 – 27 p. 197-200 (1-4) p.207-214 (1-45) p. 219-226 (1-44) Due 10/26 Quiz Chapters 22-24	p. 197-200 (1-4 E) p.207-214 (1-45 E) p. 219-226 (1-44 E) Due 10/26
Week 11 October 26	Chapter 28 – 30 p. 231-236 (1-45) p.241-246 (1-45) p. 251-258 (1-55) Due 11/2 Quiz Chapters 25-27	p. 231-236 (1-45 E) p.241-246 (1-45 E) p. 251-258 (1-55 E) Due 11/2
Week 12 November 2	Chapter 31 – 32 p. 263-270 (1-55) p. 275-28 (1-44) Due 11/9 Quiz Chapters 28-30	p. 263-270 (1-55 E) p. 275-28 (1-44 E) Due 11/9
Week 13 November 9	Chapter 33 – 34 p. 285-292 (1-44) p. 299-308 (1-45) Due 11/16 Quiz Chapters 31-32	p. 285-292 (2-44 E) p. 299-308 (2-44 E) Due 11/16
Week 14 November 16	Chapter 35 – 36 p.313-320 (1-8) p. 323-347 (1-100) Quiz Chapters 33-34	p.313-320 (1-8 E) p. 323-347 (1-100 E) Due 11/30
Week 15 November 22	Happy Thanksgiving	
Week 16 November 30	Practice Exam p.353-359 (1-40) Due 11/30 Quiz Chapters 35-36	STUDY STUDY
Week 17 December 7	Final Exam	Relax and hope to see you next semester ☺

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