

Cerro Coso College  
**Course Outline of Record Report**  
10/11/2021

## HCRSC230 : Pharmacology for Health Professionals

### General Information

Author:	-
Course Code (CB01) :	HCRSC230
Course Title (CB02) :	Pharmacology for Health Professionals
Department:	Allied Health
Proposal Start:	Fall 2013
TOP Code (CB03) :	(1201.00) Health Occupations, General
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	Yes
Course Control Number (CB00) :	CCC000354762
Curriculum Committee Approval Date:	04/12/2013
Board of Trustees Approval Date:	06/13/2013
External Review Approval Date:	12/31/1969
Course Description:	This course presents the components of pharmacology including techniques of administration, dosage calculations, foundations of pharmacology, patient education, health promotion, and a detailed overview of each drug class and commonly used drugs by body system. Pharmacology is an integral part of every aspect of health careers and this course is recommended for any individual with a Health Career objective.
Submission Type:	New Course
Author:	No value

### Faculty Minimum Qualifications

Master Discipline Preferred:	No value
Alternate Master Discipline Preferred:	<ul style="list-style-type: none"><li>• Nursing</li></ul>
Bachelors or Associates Discipline Preferred:	No value
Additional Bachelors or Associates Discipline Preferred:	No value

### Course Development Options

<b>Basic Skills Status (CB08)</b> Course is not a basic skills course.	<b>Course Special Class Status (CB13)</b> Course is not a special class.	<b>Grade Options</b> <ul style="list-style-type: none"><li>• Letter Grade Methods</li><li>• Pass/No Pass</li></ul>
<input type="checkbox"/> Allow Students to Gain Credit by Exam/Challenge	<b>Allowed Number of Retakes</b> 0	<b>Course Prior To College Level (CB21)</b> Not applicable.

**Rationale For Credit By Exam/Challenge**

No value

**Retake Policy Description**

Type:|Non-Repeatable Credit

 Allow Students To Audit Course**Course Support Course Status (CB26)**

No value

**Associated Programs** Course is part of a program (CB24)**Associated Program****Award Type****Active**

Cerro Coso Vocational Nursing

Certificate of Achievement

Summer 2018

Cerro Coso Vocational Nursing

A.S. Degree Major

Summer 2018

Cerro Coso Vocational Nursing (In Development)

Certificate of Achievement

Fall 2021

**Transferability & Gen. Ed. Options****Course General Education Status (CB25)**

No value

**Transferability**

Transferable to CSU only

**Transferability Status**

Approved

**Units and Hours:****Summary****Minimum Credit Units (CB07)** 3**Maximum Credit Units (CB06)** 3**Total Course In-Class (Contact) Hours** 54**Total Course Out-of-Class Hours** 108**Total Student Learning Hours** 162**Faculty Load** 0

## Credit / Non-Credit Options

### Course Credit Status (CB04)

Credit - Degree Applicable

### Course Non Credit Category (CB22)

Credit Course.

### Non-Credit Characteristic

No Value

### Course Classification Status (CB11)

Credit Course.

Variable Credit Course

### Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience Education Status (CB10)

## Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Activity Hours	0	0

## Course Student Hours

**Course Duration (Weeks)** 18

**Hours per unit divisor** 0

### Course In-Class (Contact) Hours

Lecture 0

Laboratory 0

Activity 0

**Total** 54

### Course Out-of-Class Hours

Lecture 0

Laboratory 0

Activity 0

**Total** 108

## Time Commitment Notes for Students

No value

## Faculty Load

**Extra Duties:** 0

**Faculty Load:** 0

## Units and Hours: - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

## Pre-requisites, Co-requisites, Anti-requisites and Advisories

No Value

## Entrance Skills

Entrance Skills

Description

No value

No value

## Limitations on Enrollment

Limitations on Enrollment

Description

Content Review

Students must be able to read and comprehend at a college level text book explaining pharmacology as it relates to the healthcare profession. The reading level encourages students to have the skills necessary for success in the assignments and subject matter material presented.

## Specifications

Methods of Instruction

Methods of Instruction

Other

Rationale

Other Methods: Overhead transparencies or PowerPoint Slides  
Other Methods: Overhead transparencies or PowerPoint Slides  
Group discussions  
Workbook exercises

Methods of Instruction

Written work

Rationale

No value

Methods of Instruction

Other

Rationale

Other Methods: Overhead transparencies or PowerPoint Slides  
Other Methods: Overhead transparencies or PowerPoint Slides  
Group discussions  
Workbook exercises  
Discussion

Methods of Instruction

Discussion

Rationale

No value

<b>Methods of Instruction</b>	Instruction through examination or quizzing			
<b>Rationale</b>	No value			
<b>Methods of Instruction</b>	Outside reading			
<b>Rationale</b>	No value			
<b>Methods of Instruction</b>	Lecture			
<b>Rationale</b>	No value			
<b>Assignments</b>				
<p>Reading of assigned Chapters prior to week - Answer questions at end of chapters assigned each week - Participate in online discussions Example of assignment: Online Discussion: After reading this week's assignment please respond to the following critical thinking question. A postoperative client recovering from gallbladder surgery is ordered both an oral medication for nausea and a rectal suppository. She says to the nurse, "My nausea has increased so I need the nausea pill now."As the nurse is leaving the client's room, she notices that the client has begun vomiting. Why is the medication ordered in two forms, and what should the nurse do?</p>				
<b>Methods of Evaluation</b>		<b>Rationale</b>		
Homework		Chapter assignments		
Tests		Exams or quizzes		
Homework		Completion of textbook exercises		
<b>Equipment</b>				
No Value				
<b>Textbooks</b>				
<b>Author</b>	<b>Title</b>	<b>Publisher</b>	<b>Date</b>	<b>ISBN</b>
	Clayton, B. & Stock, Y. . (2013) Basic Pharmacology for Nurses, 14th, Mosby/Elsevier			
<b>Other Instructional Materials</b>				
No Value				
<b>Materials Fee</b>				
No				

## Learning Outcomes and Objectives

### Course Objectives

No value

### CSLOs

Apply pharmacologic principles to administration of drugs.	Expected SLO Performance: 70.0
Explain the six rights in the administration of drugs	Expected SLO Performance: 70.0
Explain the routes for drug administration	Expected SLO Performance: 70.0
Perform mathematical calculations and compute drug dosages	Expected SLO Performance: 70.0
Compare the uses, general drug actions, general adverse reactions, contraindications, precautions, and interactions of drugs and drugs used to treat specific disorders	Expected SLO Performance: 70.0
Compare ways to promote an optimal response to individual drug therapies	Expected SLO Performance: 70.0
Compare ways to manage common adverse reactions to drugs	Expected SLO Performance: 70.0

## Outline

### Course Outline

- A. Foundations of pharmacology
  - 1. Definitions; Names; Standards; and Information Sources
  - 2. Principles of drug Action and Drug Interactions
  - 3. Nursing Process and Pharmacology
  - 4. Patient Education and Health Promotion
- B. Medication Administration and Math Review
  - 1. Review of Arithmetic
  - 2. Principles of Medication Administration
  - 3. Percutaneous Administration
  - 4. Enteral Administration
  - 5. Parenteral Administration
- C. Drugs Affecting the Autonomic and/or Central Nervous System
  - 1. Sedative-Hypnotics
  - 2. Drugs used for Parkinson's Disease
  - 3. Drugs used for Anxiety Disorders
  - 4. Drugs used for Mood Disorders
  - 5. Drugs used for Psychoses
  - 6. Drugs used for Seizure Disorders
  - 7. Drugs used for Pain Management
- D. Drugs Affecting the Cardiovascular System
  - 1. Drugs used to treat Hyperlipidemias
  - 2. Drugs used to treat Hypertension
  - 3. Drugs used to treat Heart Failure

4. Drugs used to treat Arrhythmias
5. Drugs used to treat Angina Pectoris
6. Drugs used to treat Peripheral Vascular Disease
7. Drugs used for Diuresis
8. Drugs used to treat Thromboembolic Disorders
- E. Drugs affecting the Respiratory System
  1. Drugs used to treat Upper Respiratory Disease
  2. Drugs used to treat Lower Respiratory Disease
- F. Drugs affecting the Digestive System
  1. Drugs used to treat Oral Disorders
  2. Drugs used to treat Gastroesophageal Reflux and peptic Ulcer Disease
  3. Drugs used to treat Nausea and Vomiting
  4. Drugs used to treat Constipation and Diarrhea
- G. Drugs affecting the Endocrine System
  1. Drugs used to treat Diabetes Mellitus
  2. Drugs used to treat Thyroid Disease
  3. Corticosteroids
  4. Gonadal Hormones
- H. Drugs affecting the Reproductive System
  1. Drugs used in Obstetrics
  2. Drugs used in Men's and Women's Health
- I. Drugs affecting other Body Systems
  1. Drugs used to treat Disorders of the Urinary System
  2. Drugs used to treat Glaucoma and other Eye Disorders
  3. Drugs affecting Neoplasms
  4. Drugs used to treat the Muscular System
  5. Antimicrobial Agents
  6. Nutrition
  7. Herbal and Dietary Supplement Therapy
  8. Substance Abuse

## Delivery Methods and Distance Education

**Delivery Method:** Please list all that apply -Face to face -Online (purely online no face-to-face contact) -Online with some required face-to-face meetings ("Hybrid") -Online course with on ground testing -iTV – Interactive video = Face to face course with significant required activities in a distance modality -Other

Face 2 Face  
Online

**Rigor Statement:** Assignments and evaluations should be of the same rigor as those used in the on-ground course. If they are not the same as those noted in the COR on the Methods of Evaluation and out-of-class assignments pages, indicate what the differences are and why they are being used. For instance, if labs, field trips, or site visits are required in the face to face section of this course, how will these requirements be met with the same rigor in the Distance Education section?

Courses will follow same curriculum, face to face will utilize a Moodle site for all uploads

**Effective Student-Instructor Contact:** Good practice requires both asynchronous and synchronous contact for effective contact. List the methods expected of all instructors teaching the course. -Learning Management System -Discussion Forums -Moodle Message -Other Contact -Chat/Instant Messaging -E-mail -Face-to-face meeting(s) -Newsgroup/Discussion Board -Proctored Exam -Telephone -iTV -Interactive Video -Other (specify)

contact\_moodle\_forums  
contact\_moodle\_message  
contact\_chat

contact\_email tue  
contact\_face2face  
contact\_other

**Software and Equipment:** What additional software or hardware, if any, is required for this course purely because of its delivery mode? How is technical support to be provided?

No Value

**Accessibility:** Section 508 of the Rehabilitation Act requires access to the Federal government's electronic and information technology. The law covers all types of electronic and information technology in the Federal sector and is not limited to assistive technologies used by people with disabilities. It applies to all Federal agencies when they develop, procure, maintain, or use such technology. Federal agencies must ensure that this technology is accessible to employees and the public to the extent it does not pose an "undue burden". I am using -iTV—Interactive Video only -Learning management system -Publisher course with learning management system interface.

s508\_itv  
s508\_moodle  
s508\_publisher

**Class Size:** Good practice is that section size should be no greater in distance ed modes than in regular face-to-face versions of the course. Will the recommended section size be lower than in on-ground sections? If so, explain why.

No Value