

PHARM 103 Course Outline as of Fall 2016**CATALOG INFORMATION**

Dept and Nbr: PHARM 103 Title: CRITICAL/MGMT SKILLS PT

Full Title: Critical Thinking and Management Skills for the PT

Last Reviewed: 1/23/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

Prepares students for success in the application of learned theory. The development of necessary discernment, reason, and proficiencies with regard to pharmaceutical critical thinking and solutions. Application of systems, theorems, principles, postulates, and provisions to enable the student to perform at an advanced level of pharmaceutical care and service.

Prerequisites/Corequisites:**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100 and Course Eligibility for CSKLS 372 or higher

Limits on Enrollment:**Schedule of Classes Information:**

Description: Prepares students for success in the application of learned theory. The development of necessary discernment, reason, and proficiencies with regard to pharmaceutical critical thinking and solutions. Application of systems, theorems, principles, postulates, and provisions to enable the student to perform at an advanced level of pharmaceutical care and service. (Grade Only)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100 and Course Eligibility for CSKLS 372 or higher

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:		Effective:	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Interpret information and data that employs various types of scientific therapeutics, and pharmaceutical methods.
2. Demonstrate knowledge of workflow, quadrants, computer-station responsibilities, and the evaluation process.
3. Identify useful patient interactions.

Objectives:

Upon completion of this course, students will be able to:

1. Interpret terms, definitions, and language associated with pharmacy practice.
2. Differentiate between pharmaceutical analysis and business terms.
3. Demonstrate knowledge of workflow, quadrants, computer station responsibilities, and the evaluation process.
4. Explain Stoic expression.
5. Use various methods to solve advanced comparisons, graphs, dosing and word scenarios accurately and safely.
6. Demonstrate knowledge of the STAR (Situation, Task, Analysis, Result) system.
7. Interpret prescriptions and medication administration record information employing scientific therapeutics, and pharmaceutical methods.
8. Identify inpatient and outpatient medication distribution systems.
9. Differentiate among the elements of the PRES (Pause, Repeat, Emphathize, Solve) principle.

Topics and Scope:

- I. Pharmaceutical history:

- a. research versus teaching
- b. cause and effect
- c. deduction and reduction
- d. logic and doubt
- e. overcoming hypochondria

II. Foundation of scientific therapeutics:

- a. definition of error
 - 1. Experimental error
 - 2. Misinterpretations
- b. methods
- c. double negatives
- d. exceptions
- e. skepticism
- f. incongruous remedies

III. Dangers of errors:

- a. misjudgments and false judgments
- b. absentmindedness
- c. physician notice and misunderstandings
- d. careful use of terms

IV. Analogies:

- a. graph theory and graphomaths
- b. comparisons
 - 1. Positive
 - 2. Negative
- c. paradoxical dosing
- d. difficult problems
- e. rational mnemonics
- f. probability
 - 1. Odds
 - 2. Risk
 - 3. Safe risk
 - 4. Too risky
 - 5. Random choice

V. Exponential law of quadrants:

- a. workflow
- b. stations
- c. vectors of action
- d. evaluations and ability versus inability
- e. separate and together
- f. professional correspondence

VI. Stoic expression:

- a. insult pacifism
- b. praise pacifism

VII. Inpatient medication transfer systems:

- a. fill lists
- b. unit dose
- c. differentiate intramuscular, subcutaneous, intravenous push, and intravenous piggyback

VIII. PRES (Pause, Repeat, Empathy, Solve) principle.

IX. Sustainable truths.

X. Insurance:

- a. anagrams of billing
- b. signed numbers

1. Discount card programs
2. Payments for prescriptions
3. Pharmacy billing cycle
4. Medicaid reimbursement
5. Point of sale (POS) collections
6. recapture
7. credits

XI. STAR system.

XII. Art of innovation.

Assignment:

1. Approximately 13-20 homework assignments
2. Three - six quizzes, 1 midterm , and 1 final exam
3. Complete 3-4 case studies with written responses
4. Interpretation of a range of various prescriptions

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Case studies, interpretation of prescriptions and workflow scenarios/essays.

Writing
30 - 50%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems

Problem solving
10 - 20%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations
0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Objective exams and quizzes.

Exams
30 - 45%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation

Other Category
0 - 5%

Representative Textbooks and Materials:

Instructor-prepared material

Patient Care Management Lab: A Workbook for Prescription Practice, Finkel. Lippincott

