



Course Specification

(Bachelor)

Course Title: **Drug and Poison information**

Course Code: **PHCP 559**

Program: **Pharmaceutical Sciences**

Department: **Clinical Pharmacy**

College: **College of Pharmacy**

Institution: **Najran University**

Version: **4**

Last Revision Date: **19/08/2024**

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A. General information about the course:

1. Course Identification

1. Credit hours: (1+1)

2. Course type

A. ☐ University ☐ College ☐ Department ☐ Track ☒ Program
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (9th/5th)

4. Course general Description:

This course outlines the fundamental aspects of providing drug and poison information using variety of literature resources. It will familiarize students with the services of the drug and poison information Centre which offered by the qualified pharmacist to the community.

To give the concepts of pharmacovigilance, pharmacoeconomics, adverse drug reactions and uses of vitamins.

5. Pre-requirements for this course (if any):

Pharmacology-3 (PHCL 444)

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

- Collect the updated information regarding the drugs by using different resources.
- To provide the information in emergency case to manage the different types of poisoning.
- To provide the information related to Pharmacoeconomics and pharmacovigilance.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		





No	Mode of Instruction	Contact Hours	Percentage
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	15
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Demonstrate specialized knowledge and understanding in biomedical, pharmaceutical, clinical, social, behavioral, administrative sciences and research methodology in relation to the development and use of medications including natural therapies for prevention and treatment.	K1	Lectures	Written exam
1.2	Demonstrate an in-depth knowledge of the concepts of pharmacy practice settings including the role of pharmacists according to legal, ethical, and professional standards in promoting health prevention and treatment.	K2	Lectures	Written exam
2.0	Skills			
2.1	Integrate pharmaceutical, administrative and clinical sciences with information obtained from different resources to provide accurate recommendations and creative solutions for complex problems.	S1	Group discussion PBL Lecture	1. Written exam 2. Practical exam
2.2	Evaluate scientific and professional literature critically to be utilized in evidence- based practice and conducting research.	S2	Group discussion Case studies Lecture	1. Written exam 2. Practical exam 3. Presentation
2.3	Utilize appropriate information technologies to optimize safe medication use and patient care.	S4	Lecture Case studies	Assignments





Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
2.4	Communicate clearly and effectively in a collaborative manner with health care professionals, patients, caregivers, administrative staff, supportive personnel and the public.	S5	Lecture Case studies	1. Assignments 2. Presentation
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate empathy, professional attitude, ethical and legal behavior, integrity, trustworthiness, social and cultural awareness and self-awareness and proper judgment in relevant practice settings.	V1	Lecture Practice session	Observation card Assignments Practical exam
3.2	Engage in self-learning practices and inter-professional healthcare education activities.	V3	Lecture Practice session	Observation card Assignments
3.3	Demonstrate leadership, entrepreneurial and managerial skills, in addition to accountability, confidence, reflective reasoning and independent thinking to respond to routine or unanticipated circumstances.	V4	Lecture	Observation card Assignments

C. Course Content (Theory)

No	List of Topics	Contact Hours
1.	Introduction to drug information	1
2.	Introduction of poison information	1
3.	Resources of information	1
4.	Patient package inserts (PPIs)	1
5.	Evaluation of resources	1
6.	Public health	1
7.	Pharmacoepidemiology	2
8.	Study design	2
9.	Pharmacoeconomics	2
10.	Pharmacovigilance	2
11.	Examination and assessments	1
Total		15

C. Course Content (Practical)

No	List of Topics	Contact Hours
1.	Introduction to drug information	1
2.	Introduction of poison information	3
3.	Resources of information	3
4.	Patient package inserts (PPIs)	3
5.	Evaluation of resources	3





6.	Public health	3
7.	Pharmacoepidemiology	3
8.	Study design	3
9.	Pharmacoeconomics	3
10.	Pharmacovigilance	3
11.	Examination and assessments	2
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz	Continuous	10%
2.	Midterm exam	6-7	20%
3.	Practical quiz	Continuous	5%
4.	Assignments	Continuous	5%
5.	Observation card	Continuous	5%
6.	Presentation	Continuous	5%
7.	Final practical	16	10%
8.	Final exam	17-19	40%
9.	Total		100%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	<ul style="list-style-type: none"> • 1 DiPiro, J. T. (Ed.). (2002). Encyclopedia of Clinical Pharmacy (Print). Informa Health Care. • Series, Micromedex Healthcare. "Internet database." Thomson Reuters Healthcare Web site. http://www.micromedex.com/products/hcs/. Accessed December 2 (2010). • LEXI (softwares)
Supportive References	<ul style="list-style-type: none"> • Micromedex (data based software), british national formulary (current edition)
Electronic Materials	http://lib.nu.edu.sa/DigitalLibrary.aspx www.rxlist.com www.drugindex.com
Other Learning Materials	Micromedex

2. Required Facilities and equipment





Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	A Lecture containing at least 25 seats
Technology equipment (projector, smart board, software)	<ul style="list-style-type: none"> • Computer lab • Internet access
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Head of departments and students	Indirect Questionnaires (indirect)
Effectiveness of Students' assessment	Faculty members and students	Indirect Questionnaires (indirect)
Quality of learning resources	Student peer reviewer	Direct Indirect
The extent to which CLOs have been achieved	Students	Questionnaires (Indirect)
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	CLINICAL PHARMACY DEPARTMENT COUNCIL
REFERENCE NO.	14460214-1057-00001
DATE	20/08/2024

