



# Course Specification

— (Bachelor)

Course Title: **Pharmacology for Nurses**

Course Code: **NUR26327**

Program: **Bachelor Sciences of Nursing**

Department: **Nursing**

College: **Applied Medical Sciences**

Institution: **university of Bisha**

Version: **6**

Last Revision Date: **20-8-2023**





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## A. General information about the course:

### 1. Course Identification

1. Credit hours: ( 2+0 )

#### 2. Course type

A.  University  College  Department  Track  Others  
B.  Required  Elective

3. Level/year at which this course is offered: ( level 5 , 3<sup>rd</sup> year)

#### 4. Course general Description:

This course focuses on the basic notions of drug administration, calculation, and patient education in relation to safe use of medications. It gives an overview on certain drugs used in common health problems

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

NA

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

NA

#### 7. Course Main Objective(s):

To provide nursing students with the principle concepts of basic pharmacology related to nursing practices.

### 2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	25	83.3%
2	E-learning	5	16.7%
3	Hybrid <ul style="list-style-type: none"> <li>● Traditional classroom</li> <li>● E-learning</li> </ul>		
4	Distance learning		

### 3. Contact Hours (based on the academic semester)



No	Activity	Contact Hours
1.	Lectures	25
2.	Laboratory/Studio	
3.	Field	
4.	E-learning	5
5.	Self-directed learning	45
<b>Total</b>		<b>75</b>

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

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge and understanding</b>			
1.1	Discuss the concepts of pharmacokinetics and pharmacodynamics, the drug categories, sources, interactions, and safe administration with referral to legal considerations related to its administration.	<b>K2</b>	Interactive lectures, Pre lecture assignments Group activities	Written test Oral test Electronic quizzes
1.2	Mention the uses, actions, and effects of antimuscarinics, antihistamines, anti-migraines, sympathomimetic and sympatholytic drugs.	<b>K2</b>	Interactive lectures, Case studies. Group activities	Written test Oral test Electronic quizzes
1.3	List the therapeutic effects of Opioids, Non-Opioids, and drugs used for certain health problems (e.g., bronchial asthma, COPD, gastrointestinal tract problems).	<b>K2</b>	Interactive lectures, Case studies. Group activities	Written exams Oral test Electronic quizzes
<b>2.0</b>	<b>Skills</b>			
2.1	Manage the potential drug-drug and drug-food interactions to different drugs.	<b>S1</b>	Interactive lectures, Pre lecture assignments	Written exams Oral test Electronic quizzes



Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
			Group activities	
2.2	Calculate the correct dose of medications.	S1	Interactive lectures, Group activities NCLEX questions	Written exams Oral test Electronic quizzes
2.3	Plan for managing adverse reactions from using drugs or fluid replacement agents.	S2	Interactive lectures, Case studies. Group activities	Written exams Oral test Electronic quizzes
<b>3.0</b>	<b>Values, autonomy, and responsibility</b>			
3.1	Take responsibility for self and peer learning.	V1	Self-directed learning Team based learning	Oral presentation Group assignment
3.2	Engage in collaborative teamwork.	V2	Team based learning Self-directed learning	Oral presentation Group assignment
...				

### C. Course Content

No	List of Topics	Contact Hours
1.	Pharmacokinetics and pharmacodynamics	2
2.	Antidepressants and antipsychotic agents.	2
3	Antianxiety, sedatives, and hypnotic agents.	2
4	Anesthetic agents.	2
5	Anticonvulsant agents.	2
6	Drugs for heart failure, hypertension, and arrhythmias.	2
7	Drugs for angina, myocardial infarction and cerebrovascular accident.	2
8	Drugs for lipid disorders.	2
9	Drugs for coagulation disorders.	2
10	Drugs for hematopoietic disorders, anemia.	2





	Diuretics.	
11	Drugs for immune system, inflammation, and allergies.	2
12	Antibiotics, antiviral and anti-parasite agents.	2
13	Reproductive agents and topical preparations.	2
14	Chemotherapy.	2
15	Central nervous system stimulants.	2
	Pharmacokinetics and pharmacodynamics	2
<b>Total</b>		<b>30</b>

## D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Continuous assessment		30%
1.1	Electronic quiz	3 <sup>rd</sup>	10
1.2	Quiz	5 <sup>th</sup>	5
1.3	E- Individual assignment	9 <sup>th</sup>	5
1.4	Oral presentation - Group	11 <sup>th</sup>	5
1.5	Oral test	13 <sup>th</sup>	5
2	Mid exam (written test )	7 <sup>th</sup>	20%
3	Final exam (written test )	16 <sup>th</sup>	50%
	Total		100%

## E. Learning Resources and Facilities

### 1. References and Learning Resources

Essential References	Blaine TS. (2020): Pharmacology for Nurses. 2 <sup>nd</sup> ed. Lehn's, Canada.
Supportive References	Beggs SAS, Gardner RS, McMurray JJV. (2018): Introductory-clinical-pharmacology-7th-ed. New York.Landon.
Electronic Materials	Blackboard – Digital library.
Other Learning Materials	

### 2. Required Facilities and equipment

Items	Resources
<b>facilities</b>	Classrooms (Well equipped with good infrastructure)
<b>Technology equipment</b>	Data show Blackboard Laptop computer Computer based simulator
<b>Other equipment</b>	Saudi Digital Library Online free Libraries





## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Program Leaders Peer Reviewer Students Faculty Academic performance follows up committee. Students GPA	Direct / indirect  Direct
Effectiveness of Students assessment	Program Leaders Peer Reviewer Students Faculty Academic performance follows up committee. Examination committee	Direct / indirect
Quality of learning resources	Program Leaders Peer Reviewer Students Faculty PLOs assessment committee	
The extent to which CLOs have been achieved	Program Leaders Peer Reviewer Students Faculty Academic performance follows up committee. Examination committee Students Results	Direct / Indirect
Other		

## G. Specification Approval

<b>COUNCIL /COMMITTEE</b>	<b>DEPARTMENT COUNCIL</b>
<b>REFERENCE NO.</b>	1/44/45
<b>DATE</b>	21-8-2023

