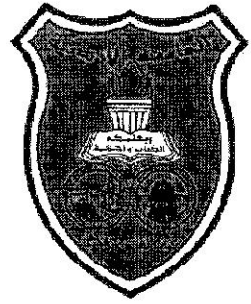




مركز الاعتماد  
و ضمان الجودة  
ACCREDITATION & QUALITY ASSURANCE CENTER



**The University of Jordan**

**Accreditation & Quality Assurance Center**



## **Course Syllabus**

**Course Name:**

**Pharmacology for  
Nursing students**

|    |  |  |
|----|--|--|
| 1  | Course title   | Pharmacology for nursing students      |
| 2  | Course number  | 0503202                                |
| 3  | Credit hours (theory, practical)                     | 3 theory                               |
|    | Contact hours (theory, practical)                    | 3 theory                               |
| 4  | Prerequisites/corequisites                           | Biochemistry, physiology, microbiology |
| 5  | Program title  | BCS nursing                            |
| 6  | Program code   |  |
| 7  | Awarding institution                                 | The University of Jordan               |
| 8  | Faculty  | Medicine                               |
| 9  | Department   | Pharmacology                           |
| 10 | Level of course                                      | Undergraduate                          |
| 11 | Year of study and semester (s)                       | first semester                         |
| 12 | Final Qualification                                  | Bachelor                               |
| 13 | Other department (s) involved in teaching the course | None                                   |
| 14 | Language of Instruction                              | English                                |
| 15 | Date of production/revision                          | 2022-2023                              |

**16. Course Coordinator:**

Office numbers, office hours, phone numbers, and email addresses should be listed.

Dr. Suheil Zmeili; office hours 1-2 pm Sunday, Tuesday, Thursday; Phone 5355000/23455; email: szmeili@ju.edu .jo

**17. Other instructors:**

Office numbers, office hours, phone numbers, and email addresses should be listed.

None

**18. Course Description:**


*As stated in the approved study plan.*

This course will focus on the basic principles of pharmacology including pharmacokinetics and pharmacodynamics and will discuss all drugs affecting different systems of the body, their pharmacological actions, mechanisms of action, clinical uses, major side effects and important drug-drug interaction with emphasis on nursing applications of such drugs.

**19. Course aims and outcomes:**

|  |
|--|
| A- Aims:<br>Achieve the ILO's  |
| <b>B- Intended Learning Outcomes (ILOs):</b> Upon successful completion of this course students will be able to ...  |
| 1. Know basic pharmacokinetics processes that are associated with drug administration.   |
| 2. Understand concepts of pharmacodynamic processes that are associated with drug action on various body systems.  |
| 3. Describe some regulatory issues related to drugs administration.  |
| 4. Describe characteristics of major groups and selected individual medications, which should capable student to deal with different classes of drugs used in treatment of most diseases.  |
| 5. Students should also have information about the selection of drugs depending on the pathophysiological changes during different disease process depending on the pharmacokinetic and pharmacodynamic properties of most important drugs.  |
| 6. Know the nursing role in drug therapy as it relates to:<br>a) Major issues/ concerns in medication therapy across the lifespan including cultural and age-related considerations<br>b) Assess and evaluate influences of medications on body systems using the nursing process. |

## 20. Topic Outline and Schedule:

| Topics   | No. of lectures |   |
|--|-----------------|---|
| General principles of Pharmacology:<br><ul style="list-style-type: none"> <li>- Objectives &amp; definitions</li> <li>- Terminology, and general introduction</li> <li>- Drug formulations &amp; drug administration</li> <li>- Pharmacokinetics:<br/>Absorption, Distribution, Metabolism &amp; Elimination</li> <li>- Pharmacodynamics</li> <li>- Drug interaction</li> <li>- Drug toxicity</li> </ul> | 5               |  |
| Drugs affecting the autonomic nervous system<br><ul style="list-style-type: none"> <li>- Introduction</li> </ul>   | 5               |   |

|   |  |   |
|---|--|---|
| <ul style="list-style-type: none"> <li>- Adrenomimetic drugs</li> <li>- Adrenorceptor antagonists</li> <li>- Cholinomimetics</li> <li>- Cholinergic blocking drugs</li> <li>- Cholinesterase inhibitors</li> <li>- Local anesthetics</li> <li>- .Muscle relaxants</li> </ul>                                      |  |   |
| <b>FIRST EXAMINATION (30%)</b>  |  |   |
| Drugs affecting Cardiovascular system   |  | 6 |
| <ul style="list-style-type: none"> <li>- Drugs used in heart failure</li> <li>- Antihypertensive agents</li> <li>- Antianginal agents</li> <li>- Antiarrhythmic agents</li> <li>- Anticoagulants fibrinolytic drugs, Antiplatelet drugs</li> <li>- Drugs in anemia</li> <li>- Antihyperlipidemic drugs</li> </ul> |  |   |
| Drugs affecting the Renal system  |  | 2 |
| <b>SECOND EXAMINATION (20%)</b>   |  |   |
| Drugs affecting the central nervous system:   |  | 7 |
| <ul style="list-style-type: none"> <li>- Opioid and nonopioid analgesics</li> <li>- Sedative – hypnotics and anxiolytics</li> <li>- Antidepressant agents</li> <li>- Antipsychotic agents</li> <li>- General anesthetics</li> <li>- Anticonvulsants</li> <li>- Antiparkinsonian drugs</li> </ul>                  |  |   |
| Drugs affecting the endocrine system  |  | 7 |
| Autacoids   |  | 2 |
| Drugs affecting the G.I.T.  |  | 2 |
| Drugs affecting the Respiratory system  |  | 1 |
| Chemotherapy  |  | 8 |
| <b>FINAL EXAMINATION (50%)</b>  |  |   |



**21. Teaching Methods and Assignments:**

Development of ILOs is promoted through the following teaching and learning methods:  
Lectures.

**22. Evaluation Methods and Course Requirements:**

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

3 exams  
Midterm (30%)  
2<sup>nd</sup> exam (20%)  
Final (50%)

**23. Course Policies:****A- Attendance policies:**

Attendance will be taken by the course coordinator.

**B- Absences from exams and handing in assignments on time:**

Will be managed according to the University of Jordan regulations.

**C- Health and safety procedures:****D- Honesty policy regarding cheating, plagiarism, misbehavior:**

Will be managed according to the University of Jordan regulations.

**E- Grading policy:**

|        |    |
|--------|----|
| 0-39   | F  |
| 45-49  | D- |
| 50-54  | D  |
| 54-69  | D+ |
| 60-64  | C- |
| 65-69  | C  |
| 70-73  | C+ |
| 74-76  | B- |
| 77-80  | B  |
| 81-84  | B+ |
| 85-89  | A- |
| 90-100 | A  |

**F- Available university services that support achievement in the course:**

Availability of comfortable lecture halls, data show and internet service.

**24. Required equipment:**

Data show for power point presentation.

**25. References:**

A- Required book (s), assigned reading and audio-visuals:

Trounce's Clinical Pharmacology for nurses by Ben Greenstein


B- Recommended books, materials, and media:

Clayton, B. & Stock, Y. (J). Basic Pharmacology for Nurses

Lippincott's Illustrated Reviews: Pharmacology, Harvey and Champe.

**26. Additional information:**

First and second examination marks will be announced by the faculty to the students. Final marks will be given to the students through the registrar after being approved by the faculty council.

Name of Course Coordinator: -----Signature: 

--- Date: 5/10/2023

Head of curriculum committee/Department: -----Signature: -----

Head of Department: Dr. Alia Shatnawi Signature: Alia Shatnawi

Head of curriculum committee/Faculty: -----Signature: -----

Dean: -----Signature: -----

**Copy to:**

Head of Department  
Assistant Dean for Quality Assurance  
Course File