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| **Course Title:** | Pharmacy Practice2 |
| **Course Code:** | **PHCP 455** |
| **Program:** | Pharmaceutical Sciences |
| **Department:** | **Clinical Pharmacy** |
| **College:** | **Pharmacy** |
| **Institution:** | **Najran University** |



**Table of Contents**

1. **Course Identification** Error! Bookmark not defined.

6. Mode of Instruction (mark all that apply) **Error! Bookmark not defined.**

1. **Course Objectives and Learning Outcomes** Error! Bookmark not defined.
   1. Course Description **Error! Bookmark not defined.**
   2. Course Main Objective **Error! Bookmark not defined.**
   3. Course Learning Outcomes **Error! Bookmark not defined.**
2. **Course Content** Error! Bookmark not defined.
3. **Teaching and Assessment** Error! Bookmark not defined.
   1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods **Error! Bookmark not defined.**
   2. Assessment Tasks for Students **Error! Bookmark not defined.**
4. **Student Academic Counseling and Support** Error! Bookmark not defined.
5. [Learning Resources and Facilities 6](#_TOC_250004)
   1. [Learning Resources 6](#_TOC_250003)
   2. [Facilities Required 6](#_TOC_250002)
6. [Course Quality Evaluation 7](#_TOC_250001)
7. [Specification Approval Data 7](#_TOC_250000)

**2**

1. **Course Identification**

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| **1. Credit hours:** | | **2** |  |  |  |  |  |  |  |  |  |
| **2. Course type** | | | | | | | | | | | |
| **a.** | University |  | College | | **√** | Department | | | |  | Others |
| **b.** | Required | | **√** | Elective | | |  |  | | | |
| **3. Level/year at which this course is offered:** | | | | | | | | | **L** | **evel 8** | **l** |
| **4. Pre-requisites for this course** (if any)**:**  **PHCP 454** | | | | | | | | | | | |
| **5. Co-requisites for this course** (if any)**:** | | | | | | | | | | | |

1. **Mode of Instruction** (mark all that apply)

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Mode of Instruction** | **Contact Hours** | **Percentage** |
| **1** | **Traditional classroom** | 30 | 100% |
| **2** | **Blended** |  |  |
| **3** | **E-learning** |  |  |
| **4** | **Distance learning** |  |  |
| **5** | **Other** |  |  |

1. **Actual Learning Hours** (based on academic semester)

|  |  |  |
| --- | --- | --- |
| **No** | **Activity** | **Learning Hours** |
| **Contact Hours** | | |
| **1** | **Lecture** | 28 |
| **2** | **Tutorial** | 2 |
|  | **Total** | 30 |
| **Other Learning Hours\*** | | |
| **1** | **Study/ Virtual Pharmacy** | 30 |
| **2** | **Assignments** | 15 |
| **3** | **Library** | 25 |
| **4** | **Projects/Research Essays/Theses** | 10 |
|  | **Total** | **110** |

**\*** The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

**3**

1. **Course Objectives and Learning Outcomes**

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| --- |
| **1. Course Description**  This course describes the fundamentals of pharmacy practice and its effect on the community while emphasizing the role of the pharmacist in the healthcare profession. Also the course describes the fundamentals of pharmacy profession in hospitals and regulations control the hospital pharmacy |
| 1. **Course Main Objectives**   The Student will be able to know:   * + Hospital and its types.   + Plan, organize and direct a hospital.   + Different staff and departments required for smooth running of a hospital.   + Inventory control of hospital,   + Drug distribution system and hospital pharmacy. |

**3. Course Learning Outcomes**

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| --- | --- | --- |
| **CLOs** | | **Aligned PLOs** |
| 1 | **Knowledge:** | |
| 1.4 | Demonstrate the concepts and facts of drug information, and clinical skills pertaining to practice and marketing of pharmaceutical preparations. | K4 |
| **2** | **Skills:** | |
| 2.1 | Evaluate the possible therapeutic applications, interactions or interferences of drugs and pharmaceutical compounds. | S1 |
| 2.2 | Plan strategies for solving the problems in the field of pharmaceutical sciences. | S2 |
| 2..4 | Communicate clearly by verbal and written meanswith all staff and colleagues in the medical fields as well as with patients | S4 |
| **3** | **Competence:** | |
| 3.1 | Work independentlyand professionally**.** | C1 |
| 3.2 | Use of personal values and ethical principles in the field of work | C2 |
| 3.3 | Use of advanced techniques in developing solutions to complex issues in field of work | C3 |

**4**

1. **Course Content**

|  |  |  |
| --- | --- | --- |
| **No** | **List of Topics** | **Contact Hours** |
| 1 | Introduction of pharmacy practice-2 (Hospital Pharmacy) | 2 |
| 2 | Hospital | 2 |
| 3 | Patient Counselling | 2 |
| 4 | Drug Distribution system in a Hospital | 4 |
| 5 | Modern dispensing aspects | 4 |
| 6 | Purchasing and Inventory control of Drugs | 4 |
| 7 | Surgical dressing and supplies | 4 |
| 8 | Central services / central supply department | 2 |
| 9 | Hospital formulary | 2 |
| 10 | Pharmacy and Therapeutic Committee | 2 |
| 11 | Total Parenteral Nutrition | 2 |
| **Total** | | **30** |

1. **Teaching and Assessment**
2. **Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods**

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Course Learning Outcomes** | **Teaching Strategies** | **Assessment Methods** |
| **1.0** | **Knowledge** | | |
| 1.4 | Demonstrate the concepts and facts of drug information, and clinical skills pertaining to practice and marketing of pharmaceutical preparations. | Combination of lectures, Tutorials | Theoretical Exam |
| **2.0** | **Skills** | | |
| 2.1 | Evaluate the possible therapeutic applications, interactions or interferences of drugs and pharmaceutical compounds. | Tutorials include discussion of issues  and problems, Lectures | Theoretical Exam, Role play |
| 2.2 | Plan strategies for solving the problems in the field of pharmaceutical sciences. | Lectures  Hospital training | Theoretical Exam |
| 2.4 | Communicate clearly by verbal and written meanswith all staff and colleagues in the medical fields as well as with patients | Tutorials  Lectures | Role play  Presentation |
| **3.0** | **Competence** | | |
| 3.1 | Work independentlyand professionally**.** | lectures, Tutorials | Theoretical Exam Role play/ Assignment |
| 3.2 | Use of personal values and ethical principles in the field of work | lectures, Tutorials | Role play/ Assignment |
| 3.3 | Use of advanced techniques in developing solutions to complex issues in field of work | lectures, Tutorials | Role play/  Assignment |

1. **Assessment Tasks for Students**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Assessment task\*** | **Week Due** | **Percentage of Total Assessment Score** |
| **1** | Midterm exam1 | 6 | 20% |
| **2** | Midterm exam2 | 13 | 20% |
| **3** | Presentation/Project/Assignment/etc. | 14 | 5% |
| **4** | Observation Card | 12 | 5% |
| **5** | Final exam | ---- | 50% |

**5**

 **\*Assessment task** (i.e., written test, oral test, oral presentation, group project, essay, etc.)

1. **Student Academic Counseling and Support**

**Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:**

Office hours (5 hours per week + appointments) Help session (problem solving): as required per week

# Learning Resources and Facilities

## Learning Resources

|  |  |
| --- | --- |
| **Required Textbooks** | **Hospital Pharmacy** *by Stephen, Martin* Drug Information: A Guide for Pharmacists, 6e *Patrick M. Malone, Meghan J. Malone, Sharon K. Park* |
| **Essential References Materials** |  |
| **Electronic Materials** | <https://www.ashp.org/-/media/assets/policy-guidelines/docs/guidelines/gdl-pharmacy-therapeutics-committee-formulary-system.ashx>  <https://login.nu.edu.sa/cas/login?service=http://lib.nu.edu.sa/digitallibbrary.aspx> |
| **Other Learning Materials** |  |

## Facilities Required

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| --- | --- |
| **Item** | **Resources** |
| **Accommodation**  (Classrooms, laboratories, demonstration rooms/labs, etc.) | A Lecture room containing at least 30 seats |
| **Technology Resources**  (AV, data show, Smart Board, software, etc.) | Computer lab Internet access |
| **Other Resources**  (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) |  |

**6**

# Course Quality Evaluation

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| --- | --- | --- |
| **Evaluation Areas/Issues** | **Evaluators** | **Evaluation Methods** |
| Effectiveness of teaching strategies | Head of departments  and students | Indirect  Questionnaires (indirect) |
| Effectiveness of student assessment | Faculty members  and students | Indirect  Questionnaires (indirect) |
| Achievement of CLOs | Student  peer reviewer | Direct  Indirect |
| Quality of learning resources | Students | Questionnaires (Indirect) |

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

**Assessment Methods** (Direct, Indirect)

# Specification Approval Data

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| --- | --- |
| **Council / Committee** | Clinical Pharmacy Department Council |
| **Reference No.** | 2-1-40-41 |
| **Date** | 24/12/1440 H |

# 7