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| **Course Title:** | **Clinical Skills for Pharmacist** |
| **Course Code:** | **PHCP 456** |
| **Program:** | **Pharmaceutical Sciences** |
| **Department:** | **Clinical Pharmacy** |
| **College:** | **Pharmacy** |
| **Institution:** | **Najran University** |

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# Course Identification

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Credit hours:** | | **2 hours (1+1)** | | | | | | | | |
| **2. Course type** | | | | | | | | | | |
| **a.** | University |  | College | | **√** | Department | | |  | Others |
| **b.** | Required | | **√** | Elective | | |  |  | | |
| **3. Level/year at which this course is offered: Level 8th 4th year** | | | | | | | | | | |
| **4. Pre-requisites for this course** (if any)**: None** | | | | | | | | | | |
| **5. Co-requisites for this course** (if any)**: None** | | | | | | | | | | |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Mode of Instruction** | **Contact Hours** | **Percentage** |
| **1** | **Traditional classroom** | 45 | 100 |
| **2** | **Blended** |  |  |
| **3** | **E-learning** |  |  |
| **4** | **Correspondence** |  |  |
| **5** | **Other** |  |  |

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

|  |  |  |
| --- | --- | --- |
| **No** | **Activity** | **Learning Hours** |
| **Contact Hours** | | |
| **1** | **Lecture** | 15 |
| **2** | **Laboratory/vital signs / first aid management** | 30 |
| **3** | **Tutorial** | 0 |
| **4** | **Others** (specify) | 0 |
|  | **Total** | 45 |
| **Other Learning Hours\*** | | |
| **1** | **Study** | 20 |
| **2** | **Assignments** | 10 |
| **3** | **Library** | 0 |
| **4** | **Projects/Research Essays/Theses** | 0 |
| **5** | **Others** (specify) | 0 |
|  | **Total** | 75 |

**\*** 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

# Course Objectives and Learning Outcomes

**1. Course Description**

The student will develop the basic knowledge, skills and attitudes necessary for interacting with a patient, developing skills in pharmacist to deal with various types of injuries and emergencies.

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| **2. Course Main Objective:** |
| The Student will be able to-   * To initiate and develop the teaching of basic practical clinical Skills to students in a safe and structured environment by reinforcing the existing bedside and clinical learning. * To support the transition of the student’s clinical skills learnings. * How student can improve their communication skill and why it is important when it comes to various types of emergencies. |

## 3. Course Learning Outcomes

|  |  |  |
| --- | --- | --- |
| **CLOs** | | **Aligned PLOs** |
| 1 | **Knowledge:** | |
| 1.1 | Demonstrate the concepts and fundamental aspects to develop the clinical skills  of first aids and different with the help of various types of instruments. | K4 |
| **2** | **Skills :** | |
| 2.1 | Plan strategies for solving problems in the case of different emergency conditions. | S1 |
| 2.2 | Describe the strategies for solving the problems in case of emergency. | S2 |
| 2.3 | Interpret the scientific data and information related with first aid | S3 |
| 2.4 | Communicate clearly by verbal and written means. | S4 |
| **3** | **Competence:** | |
| 3.2 | Use of personal values and ethical principles in the field of work (emergency management). | C2 |
| 3.3 | Use of advanced techniques and authentic resources in developing solutions to complex issues in management of emergency cases. | C3 |
|  |  |  |

# Course Content (Theoretical)

|  |  |  |
| --- | --- | --- |
| **No** | **List of Topics** | **Contact Hours** |
| 1 | **General introduction of 1st aid measures** | 1 |
| 2 | **1st aid of bleeding and wounds** | 2 |
| 3 | **1st aid of burns** | 1 |
| 4 | **CPR and AED** | 2 |
| 5 | **1st aid of snake bite** | 1 |
| 6 | **1st aid of poisoning** | 2 |
| 7 | **1st aid of bone fracture** | 3 |
| 8 | **1st aid in spinal and head injury** | 3 |
| **Total** | | 15 |

|  |  |  |
| --- | --- | --- |
| **No** | Course Content (Practical) | **Contact Hours** |
| 1 | **Measurement of vital signs** | 30 |
| 2 | **Measurement of body temperature** |
| 3 | **Measurement of blood pressure** |
| 4 | **Measurement of pulse rate** |
| 5 | **Measurement of blood glucose** |
| 6 | **Presentation of various emergency cases** |  |
| **Total** | | 45 |

# Teaching and Assessment

## Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Course Learning Outcomes** | **Teaching Strategies** | **Assessment Methods** |
| **1.0** | **Knowledge** | | |
| 1.1 | Demonstrate the concepts and fundamental aspects to develop the clinical skills of first aids and different with the help of various types of instruments. | Lectures, | Written exam,  Assignment |
| **2.0** | **Skills** | | |
| 2.1 | Plan strategies for solving problems in the case of different emergency conditions. | Lectures,  Problems Solving | Written exam,  Assignment, |
| 2.2 | Describe the strategies for solving the problems in case of emergency. | Lectures,  Problems Solving  demonstration | Written exam,  Assignment, |
| 2.3 | Interpret the scientific data and information related with first aid | Lectures,  Problems Solving demonstration | Written exam,  Assignment, |
| 2.4 | Communicate clearly by verbal and written means. | Lectures,  Problems Solving demonstration | Assignment,  Presentation |
| **3.0** | **Competence** | | |
| 3.2 | Use of personal values and ethical principles in the field of work (emergency management). | Lectures, | Written exam,  Assignment,  Practical exam |
| 3.3 | Use of advanced techniques and authentic resources in developing solutions to complex issues in management of emergency cases. | Lectures, | Practical exam  Assignment, |
|  |  |  |  |

## Assessment Tasks for Students

| **#** | **Assessment task\*** | **Week Due** | **Percentage of Total Assessment Score** |
| --- | --- | --- | --- |
| **1** | Midterm exam **1** | 6 | 15% |
| **2** | Assignments | 12 | 5% |
| **3** | Lab. practical quiz | 9 | 5% |
| **4** | Midterm exam **2** | 10 | 15% |
| **5** | Observation card | 2-12 | 5% |
| **6** | Final practical Exam | 15 | 15% |
| **7** | Final exam | 17 | 40% |
| **8** | Total |  | 100% |

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

# Student Academic Counseling and Support

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| --- |
| **Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :** |
| * Office hours (2 hours per week): Each faculty member must set fixed two hours each week to fulfill the students’ academic requirements. * Office hours must be announced in the office door and course blackboard. |

# Learning Resources and Facilities

## Learning Resources

|  |  |
| --- | --- |
| **Required Textbooks** | Manual of First aid by  L.C. Gupta etal Japyee publications  First aid manual by Red cross society |
| **Essential References Materials** | Some text books are required for the student inside the college premises. |
| **Electronic Materials** | <http://lib.nu.edu.sa/DigitalLibbrary.aspx>  [www.rxlist.com](http://www.rxlist.com/) |
| **Other Learning Materials** | Micromedex |
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## Facilities Required

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| --- | --- |
| **Item** | **Resources** |
| **Accommodation**  (Classrooms, laboratories, demonstration rooms/labs, etc.) | Suitable lecture room equipped with data show and internet and sufficient number of seats. |
| **Technology Resources**  (AV, data show, Smart Board, software, etc.) |  |
| **Other Resources**  (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | Different instrument to measure vital signs |

# Course Quality Evaluation

| **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

|  |  |
| --- | --- |
| **Council / Committee** | Clinical Pharmacy Department Council |
| **Reference No.** | 41-40-1-2 |
| **Date** | 10-06-1440 H |

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