

Course Description Template for Clinical pharmacy II fourth Year second Semester (Theoretical)

Performance Review of Higher Education Institution ((Academic Program Review))

Course Description

This course description provides a summary of the main characteristics of the course and the learning outcomes expected from the student to achieve, demonstrating whether they have made the maximum use of the available learning opportunities. It must be linked to the .program description

1. Educational Institution	Ministry of Higher Education and Scientific Research / Al-Zahrawi University
2. University Department / Center	College of Pharmacy
3. Course Name / Code	Clinical pharmacy II Theoretical PPCG 32
4. Programs in which it is included	Bachelor of Pharmaceutical Sciences
5. Available Forms of Attendance	Daily Attendance
6. Semester / Year	Second Semester / fourth year
7. Total Number of Study Hours	2 hours weekly
8. Date of preparing this description	2025-2026
Course Objectives: The course aims to develop an understanding of the principles of clinical pharmacy by focusing on the safe, effective, and rational use of medications in patient care. It emphasizes the application of pharmacotherapeutic knowledge to prevent, identify, and resolve drug-related problems while considering patient-specific factors such as age, disease state, organ function, and concurrent therapies. Additionally, the course highlights the role of the clinical pharmacist in optimizing treatment outcomes through evidence-based decision making, medication monitoring, patient counseling, and interprofessional collaboration, supported by practical examples and clinical case scenarios commonly encountered in healthcare settings.	
9. Learning Outcomes, Teaching and Learning Methods, and Evaluation	

A. Knowledge and Understanding

- ❑ Explain the fundamental principles of clinical pharmacy and the role of the clinical pharmacist in promoting safe, effective, and rational medication use.
- ☒ Describe the pharmacotherapy of common diseases and classify major therapeutic drug classes based on their mechanisms of action, indications, contraindications, and adverse effects.
- ☑ Apply principles of patient assessment, medication review, and evidence-based therapeutics to identify, prevent, and resolve drug-related problems.
- ☑ Demonstrate understanding of clinical pharmacy services including patient counseling, medication monitoring, dosage adjustment, drug interaction management, and pharmaceutical care planning.

1. Subject-Specific Skills

- ❑ Developing proficiency in patient medication history taking, prescription review, and identification of drug-related problems.
- ☒ Acquiring skills in designing, monitoring, and optimizing pharmacotherapeutic regimens for common disease states.
- ☑ Gaining the ability to assess laboratory data, clinical parameters, and patient responses to evaluate medication efficacy and safety.
- ☑ Developing skills in recognizing and managing drug interactions, adverse drug reactions, contraindications, and medication counseling needs.

Teaching and Learning Methods

- ❑ Theoretical lectures.
- ☒ Scientific posters and interactive classroom activities.
- ☑ Field visits to community pharmacies.
- ☑ Homework assignments (coursework).

2. Evaluation Methods

- ❑ Midterm and final examinations.
- ☒ Oral examinations.
- ☑ Classroom activities and homework assignments.

3. Thinking Skills

- ❑ Using modern methods to prepare and deliver lectures through PowerPoint presentations.
- ☒ Applying group discussion techniques to enhance understanding of the subject matter.
- ☑ Assigning homework and research tasks to develop analytical and critical thinking skills.

4. General and Transferable Skills

- ❑ Enabling students to apply the knowledge they have acquired in practical settings.
- ☒ Enhancing students' self-confidence through participation in discussions and seminars.
- ☑ Empowering students to apply what they have learned to their professional development.

11. Course Structure					
Weeks	Hours	Required Learning Outcomes	Unit Name / Course or Topic	Learning Methods	Evaluation Method
1	٢	Knowledge	Gout and Hyperuricemia	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
2	2	Knowledge	Rheumatoid Arthritis	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
3	٢	Knowledge	Osteoporosis	whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
4	٢	Knowledge	Osteoarthritis	whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
5	2	Knowledge	Hypertension	whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
6	٢	Knowledge	Ischemic Heart Diseases	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
7	3	Knowledge	Heart Failure	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
8	2	Knowledge	Asthma	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
9	2	Knowledge	COPD	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
10	2	Knowledge	Diabetes Mellitus part I	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
11	2	Knowledge	Diabetes Mellitus part II	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
12	2	Knowledge	Peptic Ulcer Disease	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments

13	2	Knowledge	Tuberculosis	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
14	2	Knowledge	Infective Meningitis	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments Group discussion, oral exams, and assignments
15	2	Knowledge	Urinary Tract Infection	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments
16	2	Knowledge	Anemia	Whiteboard and PowerPoint Presentations	Group discussion, oral exams, and assignments

12. Infrastructure	
Required Readings:	References: • DiPiro's Pharmacotherapy Handbook 12E 2023 ALGrawany • CLINICAL PHARMACY 2025-2026
Special Requirements (Workshops, Journals, Software, Websites):	Electronic Websites: https://www.fip.org/fip-education
Social Services (Guest Lectures, Professional Training, Field Studies, Others)	Organizing workshops and courses for graduates: • Field visits to community pharmacies

13. Admission:	
Prerequisites	Admission according to the central plan
Minimum Number of Students	/
Maximum Number of Students	Admission exceeds the capacity plan.

Name of the Instructor:

Assistant lecturer Dr. Muntadher Hameed Thwaini