

Course Syllabus typical Format (CSTF)

First: Course Information

1	College: Pharmacy
2	Department: Pharmacology & Toxicology
3	Academic Semester: First semester (Third year)
4	Academic year: 1443 H
5	Course Name: Pharmacology-1
6	Course code and number: PDPT0321
7	Number of credit hours: 3 hours Units (2 theoretical/2 practical)
8	Course requirement in program: <input checked="" type="checkbox"/> Required (obligatory) [] Optional (Elective)
9	Course type: [] University Requirement <input checked="" type="checkbox"/> College Requirement [] Departmental Requirement
10	Pre-requisite (code and number) (if applicable): NA

Second: Instructor Information

1	Instructor's name: Dr. Abdullah Alattar/ Dr. Reem Alshaman / Dr. Sawsan Zaitone / Dr. Mohamed Samir
2	Sections of the course that I teach:
3	Office phone number:
4	Mobile number (optional):
5	Office location and number: Second floor
6	Office hours: Sunday 11-12 pm (Dr. Abdullah) Tuesday 10-12 pm (Dr. Reem)
7	Website: https://www.ut.edu.sa/ar/web/department-of-pharmacology-and-toxicology/department
8	E-mail: aalattar@ut.edu.sa / ralshaman@ut.edu.sa / szaitone@ut.edu.sa / mmegahed@ut.edu.sa

Third: Lecture and lab timetables

Section	Days	Time	Place (Building/Room)
Section 1: Male section	Lecture: Monday	10-12(P.M)	Main campus
	Practical: Tuesday	10-12(P.M)	Main campus
Section 2: Female section	Lecture: Monday	1-3(P.M)	College of Medicine/ first floor
	Practical: Thursday	10-12(P.M)	College of Medicine/ first floor

Fourth: Course description

Course description as found in the University Catalogue in both Arabic and English
The course covers the pharmacology of drugs acting on the autonomic nervous system and the central nervous system
هذا المنهج لعلم الأدوية يشمل دراسة تأثير الأدوية وخاصة المؤثرة على الجهاز العصبي اللاإرادي و الجهاز العصبي المركزي

Fifth: General Objectives and Teaching Strategies

General course objectives	<ul style="list-style-type: none">• To gain awareness about pharmacology
Cognitive Domain: <ul style="list-style-type: none">▪ Researchable▪ Cognitive (Traditional & Revised Bloom's Taxonomy is recommended) (Knowledge, Comprehension, Application, Analysis, Evaluation, and Creation)	<ul style="list-style-type: none">• Understand the safe use of drugs as regards of adverse effects and Contraindications.
Psychomotor Domain: <ul style="list-style-type: none">▪ Dealing with Technology▪ Communication skills▪ Analytical skills▪ Integration skills▪ Motivation and follow-up skills▪ Assessment and critique skills	<ul style="list-style-type: none">• Recognizing pharmacological properties, mechanisms of action and the clinical implications of drugs for future professional practice.
Affective Domain: <ul style="list-style-type: none">▪ Social▪ Economical▪ Psychological	<ul style="list-style-type: none">• Work effectively as part of a health care team.

Sixth: Course or Curriculum units, subjects, specific objectives, and time schedule in the academic semester (first, second, or third semester (summer))

Week No.	Lectures		Instructional Objectives	Readings		Key words
	Lecture No.	Unit/Chapter/Subject title		Reference No.		
1	-	Introduction	Course description, grades distribution			
2	1	Pharmacokinetics	Understand absorption, distribution, metabolism and excretion	1	Chapter 1	
3	2	Pharmacodynamics	Appreciate the importance of Pharmacology and understand how the drugs work	1	Chapter 2	
4	3	Autonomic Nervous System (ANS)	Provide a basic understanding of pharmacology of drugs acting on ANS	1	Chapter 3	
5	4	Cholinergic Agonists	Recognizing different drugs affecting the cholinergic transmission	1	Chapter 4	
6	5	Cholinergic Antagonists	Recognizing different drugs inhibiting the cholinergic transmission	1	Chapter 5	
7	6	Adrenergic Agonists	Recognizing drugs enhancing adrenergic transmission	1	Chapter 6	
8-9	Mid-term exam					
10	7	Adrenergic Antagonists	Recognizing drugs inhibiting adrenergic transmission	1	Chapter 7	
11	8	Neurodegenerative Diseases	Understand the neurodegenerative disorders and therapeutic options	1	Chapter 8	
12	9	Anxiolytics	Understand types of anxiolytics	1	Chapter 9	
13	10	Hypnotics	Understand types of hypnotics	1	Chapter 9	
14	Mid semester vacation					
15	11	Antidepressants		1		

			Recognizing antidepressants and medicinal uses		Chapter 10	
16	12	Antipsychotic Drugs	Recognizing antipsychotics and their uses	1	Chapter 11	
17	Revision & discussion / Practical exam					
18-19	Final exams					

Week No.	Units (practical)		Instructional Objectives	Readings		Keywords
	Unit No.	Unit/Chapter/Subject title		Reference No.	Pages	
1		introduction	Course content/Grade distribution			
2	1	Pharmacodynamic principles-1	Provide a basic understanding of Pharmacodynamics & Pharmacokinetics	1		
3	2	Pharmacodynamic principles-2		1		
4	3	Autonomic nervous system	Introduction to ANS and drugs used	1		
5	4	Applications on cholinergic agonists	Understanding the pharmacology of cholinergic agonists	1		
6	5	Applications on cholinergic antagonists	Understanding the pharmacology of cholinergic antagonists	1		
7	6	Applications on adrenergic agonists	Explain the pharmacological properties of adrenergic agonists	1		
8-9	Midterm Exam					
10	7	Applications on adrenergic antagonists	Explain the pharmacological properties of adrenergic antagonists			
11	8	Applications on drugs used in Parkinson disease	Explain the pharmacological properties of drugs used in Parkinson disease	1		
12	9	Applications on Anxiolytics	Explain the pharmacological properties of anxiolytics	1		
13	10	Applications on Hypnotics	Explain the pharmacological properties of hypnotics	1		
14	Mid semester vacation					
15	11	Applications on Antidepressants	Explain the pharmacological properties of antidepressants	1		
				1		
16	12	Applications on Antipsychotic Drugs	Explain the pharmacological properties of antipsychotic drugs	1		

17	Revision & discussion / Practical exam
18-19	Final exams

Seventh: Assessment and evaluation plan

Assessment tools	Date and duration (day/date/ time)	Subject matter covered in the exam	Type of questions	Grades out of 100	Guidelines and instructions
Midterm exam	Week no. 8	Unit: 1-6	Written, T/F & MCQ	30	-----
Assignments	Week no.11	To be assigned	Oral presentation	10	Rubric will be distributed
Practical/training	Week no.17	Practical Unit: 1-11	Written, T/F & MCQ	20	-----
Final written exam	Week no. 18	Unit: 1-11	Written, T/F & MCQ	40	-----

Eighth: Readings and further References

1	Main Reference (Textbook) (correct citation in accordance to APA or other citation standards specific to discipline) From where student can get the textbook? - "Lippincott's Illustrated Reviews – Pharmacology", editors Harvey R.A. and Champ R.C.
Extra reading references and citations (books, internet cities, research papers)	
2	"Pharmacology", editors Rang P.A.; et al.
3	"Clinical Pharmacology", editors Laurance D.R. and Bennett P.N.

Ninth: The instructor's policy of dealing with students within the framework of the university laws, regulations, and guidelines (examples and prototypes).

1	Late attendance	First day lecture: a delay for more than 30 min will be considered "delay" on the edugate system Other day lecture: a delay for more than 15 min will be considered "delay" on the edugate system
2	Cheating and plagiarism	University rules will be applied.
3	Absences	University rules will be applied.
4	Late work policy	5% of the activity mark will be reduced for each day delay.
5	Exiting during the lecture period	Checkout will be allowed only after asking for.
6	Seating and student placement in the classrooms	Sitting is allowed at any place in classroom
7	Absence from an exam	University rules will be applied.
8	Mobile phone use in the classroom	Is prohibited & student will be directed to his/her academic advisor
9	Eating and drinking	Are prohibited