

Course Plan

School of pharmacy

Department of toxicology and pharmacology

Course title: Pharmacology 2

Credit (theory): 3

Prerequisite: Pharmacology 1

Course Lecturers: Dr. Shariat Panahi, Dr. Aghsami, Dr. Abdollahi, Dr Safaie nezhad, Dr Aghamiri, Dr Kheradmand

Responsible Lecturer: Dr. Aghamiri

Email: heliaghamiri@gmail.com

Lesson Objectives:

General Objective:

To understand the principles of pharmacodynamics (mechanisms and effects of drugs on the body) and pharmacokinetics (the body's influence on drug absorption, distribution, metabolism, and excretion).

Specific Objectives:

- Describe drugs affecting the cardiovascular system
- Summarize the types and uses of antibiotics and chemotherapeutic agents
- Explain medications utilized for blood and coagulation disorders

References:

1- Basic and Clinical pharmacology. Katzung BG, Trevor AJ, McGraw-Hill Medical, The latest edition.

2- Rang and Dale's pharmacology. Rang HP, Ritter JM, Flower RJ, Henderson G, Churchill Livingstone, The latest edition

Student assessment:

1-Attendance and class activities (Quiz marks): 10%

2- Midterm exam (multiple-choice questions, descriptive questions): 30%

2-Final exam (multiple-choice questions, descriptive questions): 60%

The absence hours of a student should not exceed 4/17 in theoretical, 2/17 in practical and laboratorial. Otherwise, the score for that course or section will be considered as zero.

Note 1: allowed absences are accepted provided that students bring in documents for that and the related professor approves it. Acting against absences (either excused or not) will be the decision of the professor and agreement of the college.

	Subject	Professor	Time	Date
1	Vasodilators & the Treatment of Angina Pectoris	Dr. Aghamiri	13-15	1404/07/06
2	Vasodilators & the Treatment of Angina Pectoris	Dr. Aghamiri	10-12	1404/07/08
3	Drugs Used in Heart Failure	Dr. Abdollahi	13-15	1404/07/13
4	Antihypertensive Agents	Dr. Kheradmand	10-12	1404/07/15
5	Antihypertensive Agents	Dr. Kheradmand	13-15	1404/07/20

6	Agents Used in Cardiac Arrhythmias	Dr. Aghamiri	10-12	1404/07/22
7	Agents Used in Cardiac Arrhythmias	Dr. Aghamiri	13-15	1404/07/27
8	Agents Used in Cytopenias; Hematopoietic Growth Factors	Dr. Kheradmand	10-12	1404/07/29
9	Drugs Used in Disorders of Coagulation	Dr. Aghamiri	13-15	1404/08/04
10	Diuretic Agents	Dr. Abdollahi	10-12	1404/08/06
11	Agents Used in Dyslipidemia	Dr. Safaie nezhad	13-15	1404/08/11
12	Drugs Used in Asthma	Dr. Aghamiri	10-12	1404/08/13
13	Introduction to Antibiotics and Chemotherapeutic Agents	Dr. Safaie nezhad	13-15	1404/08/18
	Midterm exam		10-12	1404/08/20
14	Beta-Lactam & Other Cell Wall- & Membrane-Active Antibiotics	Dr. Abdollahi	Extra	
15	Beta-Lactam & Other Cell Wall- & Membrane-Active Antibiotics	Dr. Abdollahi	13-15	1404/08/25
16	Sulfonamides, Trimethoprim, & Quinolones	Dr. Safaie nezhad	10-12	1404/08/27
17	Antimycobacterial Drugs	Dr. Shariatpanahi	13-15	1404/09/02
18	Aminoglycosides Spectinomycin	Dr. Kheradmand	10-12	1404/09/04
19	Tetracyclines, Macrolides, Clindamycin, Chloramphenicol, Streptogramins, & Oxazolidinon	Dr. Shariatpanahi	13-15	1404/09/09
20	Clinical Pharmacology of the Antihelminthic Drugs	Dr. Safaie nezhad	10-12	1404/09/11

21	Antiviral Agents	D.Aghsami	13-15	1404/09/16
22	Antifungal Agents	D.Aghsami	10-12	1404/09/18
23	Miscellaneous Antimicrobial Agents ,Disinfectants, Antiseptics &Sterilants	Dr. Abdollahi	13-15	1404/09/23
24	Antiprotozoal Drugs	Dr. Safaie nezhad	10-12	1404/09/25
25	Cancer Chemotherapy	D.Aghsami	13-15	1404/09/30
26	Cancer Chemotherapy	D.Aghsami	10-12	1404/10/02
27	Drugs Used in the Treatment of Gastrointestinal Diseases	Dr. Shariatpanahi	13-15	1404/10/07
28	Drugs Used in the Treatment of Gastrointestinal Diseases	Dr. shariatpanahi	10-12	1404/10/09

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Responsible Lecturer: Dr. Aghamiri

Session number	Educational media	Teaching method	Specific objectives	Assignment/Project
1	PPT/PDF	Virtual/ Lecture	Vasodilators & the Treatment of Angina Pectoris	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
2	PPT/PDF	Virtual/ Lecture	Vasodilators & the Treatment of Angina Pectoris	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
3	PPT/PDF	Virtual/ Lecture	Drugs Used in Heart Failure	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
4	PPT/PDF	Virtual/ Lecture	Antihypertensive Agents	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
5	PPT/PDF	Virtual/ Lecture	Antihypertensive Agents	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
6	PPT/PDF	Virtual/ Lecture	Agents Used in Cardiac Arrhythmias	Projects will be assigned at appropriate points during the semester or at its conclusion, depending

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7	PPT/PDF	Virtual/ Lecture	Agents Used in Cardiac Arrhythmias	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
8	PPT/PDF	Virtual/ Lecture	Agents Used in Cytopenias; Hematopoietic Growth Factors	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
9	PPT/PDF	Virtual/ Lecture	Drugs Used in Disorders of Coagulation	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
10	PPT/PDF	Virtual/ Lecture	Diuretic Agents	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
11	PPT/PDF	Virtual/ Lecture	Agents Used in Dyslipidemia	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
12	PPT/PDF	Virtual/ Lecture	Drugs Used in Asthma	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
13	PPT/PDF	Virtual/ Lecture	Introduction to Antibiotics and Chemotherapeutic Agents	Projects will be assigned at appropriate points during the

				semester or at its conclusion, depending on the needs of each session.
14	PPT/PDF	Virtual/ Lecture	Beta-Lactam & Other Cell Wall- & Membrane-Active Antibiotics	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
15	PPT/PDF	Virtual/ Lecture	Beta-Lactam & Other Cell Wall- & Membrane-Active Antibiotics	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
16	PPT/PDF	Virtual/ Lecture	Sulfonamides, Trimethoprim, & Quinolones	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
17	PPT/PDF	Virtual/ Lecture	Antimycobacterial Drugs	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
18	PPT/PDF	Virtual/ Lecture	Aminoglycosides Spectinomycin	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
19	PPT/PDF	Virtual/ Lecture	Tetracyclines, Macrolides, Clindamycin, Chloramphenicol, Streptogramins, & Oxazolidinone	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.

20	PPT/PDF	Virtual/ Lecture	Clinical Pharmacology of the Antihelminthic Drugs	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
21	PPT/PDF	Virtual/ Lecture	Antiviral Agents	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
22	PPT/PDF	Virtual/ Lecture	Antifungal Agents	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
23	PPT/PDF	Virtual/ Lecture	Miscellaneous Antimicrobial Agents ,Disinfectants, Antiseptics &Sterilants	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
24	PPT/PDF	Virtual/ Lecture	Antiprotozoal Drugs	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
25	PPT/PDF	Virtual/ Lecture	Cancer Chemotherapy	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
26	PPT/PDF	Virtual/ Lecture	Cancer Chemotherapy	Projects will be assigned at appropriate points during the semester or at its conclusion, depending

				on the needs of each session.
27	PPT/PDF	Virtual/ Lecture	Drugs Used in the Treatment of Gastrointestinal Diseases	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.
28	PPT/PDF	Virtual/ Lecture	Drugs Used in the Treatment of Gastrointestinal Diseases	Projects will be assigned at appropriate points during the semester or at its conclusion, depending on the needs of each session.