



Beni-Suef University
Faculty of Dentistry
Quality Assurance Unit



Course Specification

University: **Beni-Suef** Faculty: **Dentistry**
Course Title: **Pharmacology** Course code: **Mph3**
Program on which the course is given: **Bachelor of dentistry, graduate program**
Department offering the course: **Pharmacology department. Faculty of Medicine**
Academic year: **second year**
Date of specification approval: **September 2023**

A- Basic Information

Academic Year:	2023-2024
Course Code:	Mph3
Course Theoretical (contact hours):	2hrs/ week
Practical (contact hours)	2hrs/week
Total Hours: -	4 hrs. /week
Prerequisite if any:	No

B- Professional Information

1- Overall aims of course:

By the end of the course, the student should be aware with:

Define basic terminology of pharmacology; teach them the concept of drugs and their mechanism of action, different dosage forms and their advantages and disadvantages. Gain the rationale for choosing drugs in different situations and to summarize the basic knowledge for avoiding and managing toxicity of drugs

2- Intended learning outcomes of course (ILOs)

a- Knowledge & understanding:

By the end of this course the student should be able to :

a1- Identify the objective of drug transport, distribution, fate and mode of action.

a2- Describe the effects, uses, precautions and drug actions on the peripheral nervous system in normal person



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- a3- Describe and study the different drugs used to relieve edema by acting on renal system
- a4- Identify the physiology and pathophysiology of different cardiovascular diseases.
- a5- Identify the role of local hormones in many diseases
- a6- Identify the basics of blood coagulation/ homeostasis and role of drugs.
- a7- Distinguish the different drugs acting on the respiratory system.
- a8- Identify the objective of drugs utilization in normal/diseased patients, their effects and drawbacks.
- a9- Describe the role of each item in our body and different indications and complications
- a10- Identify the basics for drugs treatment.
- a11- Describe different sources of infection and recognize the objectives of using different antimicrobial drugs, their clinical and dental applications.
- a12- Distinguish the different drugs used in gastrointestinal disorders and their clinical applications

b- Intellectual skills:

By the end of this course the student should be able to :

- b1- Acquire the basic skills of handling isolated tissues
- b2- Demonstrate the skills of correct drug choice and dosage forms
- b3- Use the skill of prescribing a drug for different situations and diseases.

c- Professional and practical skills:

By the end of this course the student should be able to :

- c1- Provide the basic skills of handling isolated tissues and demonstration of the effects of drugs on these tissues with focusing on concept of receptors, agonists, blockers...etc

d- General and transferable skills:

By the end of this course the student should be able to :

- d1- Develop sensitive and effective communication with patients and colleagues
- d2- Use and application of information technology



3- Contents:

Topic	No. of Hours	Lecture	Practical	Tutorial/practical
Pharmacokinetics	4	2	2	Pharmacokinetics
Pharmacodynamics	4	2	2	Pharmacodynamics
Parasympathetic drugs	4	2	2	Parasympathetic drugs
Sympathomimetics	8	4	4	Sympathomimetics
Sympatholytics	6	4	2	Sympatholytics
Diuretics (2 of them online)	4	2	2	Diuretics
CVS	6	4	4	CVS
Autocoids	4	2	2	Bronchial Asthma
Blood	4	2	2	Blood

4- Teaching and learning methods

a – Small group discussion / Brain storming.
b- Interactive lecture
c – Demonstrations.
d- online activities

5- Student assessment methods

a. Written and short answer question.
b. Written and long essay.
c. Multiple choice questions (MCQ)
d. True or false question with justifying answer.
e. Practical / OSPE.

Assessment schedule

Assignments	During the year
Mid-terms	January 2024
Practical exam	May 2024



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Oral exam	June 2024
Final Exams	June2024

Weighting of assessments

Written	Practical	Oral Exam	Midterm and Quizzes	Total
40	20	20	20	100

- List of reference;

1- Course notes

Facilities required for teaching and learning

- Update the course

Course coordinator: **Prof. Dr. Ahmed Elberry**

Head of Department: **Prof. Dr. Ahmed Elberry**

Date: 9/2023