



Beni-Suef University
Faculty of Dentistry
Quality Assurance Unit



Course Specification

University: **Beni-Suef** Faculty: **Dentistry**
Course Title: **pharmacology 1** Course code: **MPH211**
Program on which the course is given **Bachelor's degree of dental science**
Department offering the course: **pharmacology department, Faculty of Medicine**
Academic year: **2023/2024** Academic level: **2** Semester: **1**
Date of specification approval: **9 / 2023**

A- Basic Information

| | |
|-------------------------------------|---------------|
| Academic Year: | 2023-2024 |
| Course Code: | MPH211 |
| 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- Demonstrate the objective of drug transport, distribution, fate and mode of action.
- a2- Understand the effects, uses, precautions and drug actions on the peripheral nervous system in normal person
- a3- Describe the different drugs used to relieve edema by acting on renal system



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- a4-Perceive the physiology and pathophysiology of different cardiovascular diseases.
- a5- Know the role of local hormones in many diseases
- a6- Understand the basics of blood coagulation/ homeostasis and role of drugs.
- a7- Distinguish the different drugs acting on the respiratory system.

b- Intellectual skills:

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

- b1- Demonstrate the skills of correct drug choice and dosage forms

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.

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.

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 |
| Diuretics | 4 | 2 | 2 | Diuretics |

4- Teaching and learning method

| | |
|---|------------|
| a- Small group discussion / Brain storming. | Yes |
| b- Interactive lecture | yes |
| c- Demonstrations. | yes |



5- Student assessment methods:

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

Assessment schedule

| | |
|-------------|-----------------|
| Quizzes | During semester |
| Mid-terms | December 2023 |
| Oral Exam | January 2024 |
| Practical | January 2024 |
| Final Exams | January 2024 |

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 course material**

Course coordinator: Prof. Dr. Ahmed Elberry

Head of Department: Prof. Dr. Ahmed Elberry

Date: 9/2023