



Course Specification  
2020- 2021  
Pharm D Program  
Faculty of Pharmacy  
Mansoura University



بكالوريوس الصيدلة ( فارم د – Pharm D )

Course Specification

Academic year: 2020/2021

|  |  |
|--|--|
| <b>Course name:</b> Pharmacy Orientation                         | اسم المقرر : توجيه صيدلي                       |
| <b>Academic Level:</b> First                                     | المستوى الأكاديمي : الأول                      |
| <b>Scientific department:</b> Pharmaceutics                      | القسم العلمي : الصيدلانيات                     |
| <b>Head of Department:</b><br>Prof . Dr. Osama Abd Azeem Soliman | رئيس القسم :<br>أ/ د : أسامة عبد العظيم سليمان |
| <b>Course Coordinator:</b><br>Dr. Marwa Salah El-Din Mansour     | منسق المقرر :<br>د/ مروه صلاح الدين منصور      |



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|                                       |                              |
|---------------------------------------|------------------------------|
| University                            | Mansoura                     |
| Faculty                               | Pharmacy                     |
| Department offering the course        | Pharmaceutics Department     |
| Department supervising the course     | .....                        |
| Program on which the course is given  | Bachelor in Pharmacy Pharm D |
| Academic Level                        | First level                  |
| Date of course specification approval |                              |

### 1- Basic Information : Course data :

|                         |                      |
|-------------------------|----------------------|
| Course Title            | Pharmacy Orientation |
| Course Code             | PT111                |
| Prerequisite            | Registration         |
| Teaching Hours: Lecture | 1 hour               |
| Practical:              | Not applied          |
| Total Credit Hours      | 1                    |

### 2- Course Aims:

- 1- Orienting the students to the different aspects of pharmacy profession and development of pharmacy and to the expressions commonly used in pharmacy practice.
- 2- Recognizing different pharmaceutical dosage forms and routes of drug administration.
- 3- Knowing different dispensing procedure and factors affecting drug dosage.

### 3- Course Learning Outcomes

Upon completing the course, the student will be able to dominate the following key elements

#### DOMAIN 1- FUNDAMENTAL KNOWLEDGE

|         |  |
|---------|--|
| (1.1.1) | Recollect the different knowledge about the pharmaceutical sciences.                                 |
| (1.1.2) | Illustrate the appropriate pharmaceutical abbreviations and symbols used in different prescriptions. |
| (1.1.9) | Construct the different calculations to determine the pharmaceutical doses.                          |



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## DOMAIN 2: PROFESSIONAL AND ETHICAL PRACTICE

|         |   |
|---------|---|
| (2.1.1) | Assess the legal professional requirements to practice for individuals and healthcare team                            |
| (2.1.2) | Demonstrate the principles of ethics and protect the privacy of the patient.  |
| (2.5.2) | Categorize the evidence-based information about source of drugs, dosage forms and different routes of administration. |

## DOMAIN 3: PHARMACEUTICAL CARE

|          |   |
|----------|---|
| (3.2.1)  | Interpret the principles of proper dosage forms and different routes of administration. |
| (3.2.5)  | Summarize education to help the patients to use OTC preparations.                       |
| (3.2.10) | Counsel patients and health care team about the different medication therapy (sources). |

## DOMAIN 4: PERSONAL PRACTICE

|         |   |
|---------|---|
| (4.1.1) | Share decision-making activities with other pharmacy members.                   |
| (4.3.2) | Operate principles of assessing self-learning needs and how to meet these needs |

## 4- Course Contents

| Week No. | Topics                        | Hours |
|----------|-------------------------------|-------|
| 1        | Mission of Pharmacy           | 1     |
| 2        | The Pharmacy Career           | 1     |
| 3        | Classification of Medications | 1     |
| 4        | The Prescription              | 1     |
| 5        | General Dispensing Procedures | 1     |
| 6        | تاريخ الصيدلة                 | 1     |
| 7        | Mid-term Exam                 |       |
| 8-9      | Pharmaceutical Dosage Forms   | 2     |
| 10       | Routes of drug administration | 1     |
| 11       | Factors Affecting Drug Dosage | 1     |
| 12       | Source of Drugs               | 1     |
| 15       | Final written exam            |       |



## 5- Teaching and Learning Methods:

|     |  |
|-----|--|
| 5.1 | Lectures using Power point (PPT) presentations |
| 5.2 | Lectures using whiteboard                      |
| 5.3 | Interactive Sessions                           |
| 5.4 | Class Activity Discussion / Brain storming     |
| 5.5 | Formative Assignments                          |
| 5.6 | Self-Learning                                  |

## 6- Student Assessment:

### a- Assessment Methods:

|                |   |
|----------------|---|
| 1-Written exam | To assess understanding, intellectual, professional skills    |
| 2- Case study  | To assess the skills of problem solving and data presentation |

### a- Assessment schedule

|              |          |                       |
|--------------|----------|-----------------------|
| Assessment 1 | Mid-term | 7 <sup>th</sup> week  |
| Assessment 2 | Written  | 15 <sup>th</sup> week |

### b- Weighing of assessments

|       |                        |      |
|-------|------------------------|------|
| 1     | Mid-term examination   | 25%  |
| 2     | Final-term examination | 75%  |
| Total |                        | 100% |

## 7- Facilities required for teaching and learning

|             |                                   |
|-------------|-----------------------------------|
| -Class room | Data show, Computers and Internet |
|-------------|-----------------------------------|



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## 8- Matrix of knowledge and skills of the course

| No. | Course contents                      | Study Week | Outcomes<br>Domains / K elements |       |           |       |          |        |           |       |
|-----|--------------------------------------|------------|----------------------------------|-------|-----------|-------|----------|--------|-----------|-------|
|     |                                      |            | Domain: 1                        |       | Domain: 2 |       | Domain 3 |        | Domain: 4 |       |
| 1.  | <b>Mission of Pharmacy</b>           | 1          | 1.1.1                            |       | 2.1.1     | 2.1.2 | 3.2.1    |        | 4.1.1     |       |
| 2.  | <b>The Pharmacy Career</b>           | 2          | 1.1.1                            |       | 2.1.1     | 2.1.2 | 3.2.1    |        | 4.1.1     |       |
| 3.  | <b>Classification of Medications</b> | 3          | 1.1.1                            |       | 2.5.2     |       | 3.2.5    |        | ----      | ----  |
| 4.  | <b>The Prescription</b>              | 4          | 1.1.2                            | 1.1.9 | 2.5.2     |       | 3.2.5    |        | 4.1.1     | 4.3.2 |
| 5.  | <b>General Dispensing Procedures</b> | 5          | 1.1.1                            |       | ---       |       | 3.2.5    | 3.2.10 | 4.1.1     | 4.3.2 |
| 6.  | تاريخ الصيدلة                        | 6          | 1.1.1                            |       | 2.1.1     |       | ----     | ----   | ---       | 4.3.2 |
| 7.  | <b>Pharmaceutical Dosage Forms</b>   | 8-9        | 1.1.1                            | 1.1.9 | 2.5.2     |       | 3.2.1    |        | 4.1.1     | 4.3.2 |
| 8.  | <b>Routes of drug administration</b> | 10         | 1.1.1                            |       | 2.5.2     |       | 3.2.1    |        | 4.1.1     | 4.3.2 |
| 9.  | <b>Factors Affecting Drug Dosage</b> | 11         | 1.1.9                            |       | 2.5.2     |       | 3.2.1    |        | 4.1.1     |       |
| 10. | <b>Source of Drugs</b>               | 12         | ----                             |       | 2.5.2     |       | 3.2.1    | 3.2.10 | 4.1.1     | 4.3.2 |

## 9- List of References

| No | Reference   | Type                    |
|----|---|-------------------------|
| 1. | <b>7.1 - Essential Books (Text Books)</b> "Remington's: The science and practice of pharmacy" 21 <sup>st</sup> Ed., Gennaro, A. R., ed., Mack publishing C., Lippincott Williams and Wilkins, Philadelphia, (2006).   | Essential Book          |
| 2. | <b>7.2 - Recommended Books-</b> "Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems" 8 <sup>th</sup> Ed., Wolters Kluwer, Lippincott Williams and Wilkins, Philadelphia, (2005).<br>- Medical Terminology for Health Professions by Ann Ehrlich and Carol L. | Supplementary Textbooks |

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|---------------------------|---|
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| <b>Head of Department</b> | <b>Prof. Dr.: Osama abdel azeem soliman</b> |

Date: / / 2020