



Course specification  
2018- 2019  
Faculty of Pharmacy  
Mansoura University



Third Level

Course Specification Drug Information

**University:** Mansoura University (MU)  
**Faculty:** Pharmacy  
**Department:** Pharmacy practice  
**Course title:** Drug Information  
**Course code:** PP 324

<b>Program on which the course is given</b>	B. Pharm
<b>Academic Level</b>	Third Level, second semester, 2017-2018
<b>Date of course specification approval</b>	9/9/2018

1. Basic Information: Course data:

<b>Course title:</b>	<b>Drug Information</b>	<b>Code:</b> PP 324
<b>Specialization:</b>	<b>Pharmaceutical</b>	
<b>Prerequisite:</b>		
<b>Teaching Hours:</b>	<b>Lecture: 1</b>	<b>Practical: 0</b>
<b>Number of units: (credit hours)</b>	<b>1</b>	

2. Course Aims:

1. Identify drug information resources
2. Address a medication related question
3. Recognize role of pharmacist as a drug information specialist
4. Understand concepts of cost effectiveness and pharmacoconomics
5. Run drug information centre

3. Intended learning outcomes (ILOs):

a- Knowledge and understanding

a1 Summarize the principles of therapeutic, pharmacovigilance and the rational use of drugs.

a2 Distinguish the methods of statistical analysis and pharmaceutical calculations.

a3 Illustrate the principles of drug information, drug promotion and pharmacoconomics and the principles of sales, marketing, business administration, accounting and management including financial and human resources.

a4 Summarize the approval process of newly introduced pharmaceutical products.



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**b- Intellectual skills**

b1 Promote cost/effective pharmacotherapy by applying principles of drug information and pharmacoeconomics.

b2 Interpret experimental data and published literatures, based on relevant chemical, pharmaceutical, statistical principles.

b3 Evaluate evidence-based information needed in pharmacy practice decisions.

**c- Professional and practical skills**

c1 Conduct experimental and research studies and present, analyze and interpret the results.

**d- General and transferable skills**

d1 Retrieve and critically evaluate pharmaceutical information and clinical laboratory data from different sources to improve professional competencies.

d2 Present information clearly in written, electronic and oral forms.

**4. Contents:**

Week No	Topics	No. of hours	Lecture credit hours	Practical credit hours
1.	Introduction to drug information concept	1	1 hours	
2.	Types of drug information resources	1	1 hours	
3.	Primary drug information resources	1	1 hours	
4.	Secondary drug information resources	1	1 hours	
5	Tertiary drug information resources	1	1 hours	
6.	Setting up drug information center	1	1 hours	
7.	<b>Mid-term Exam</b>			



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8.	Principles of Pharmacoeconomics	1	1 hours	
9.	Economic Evaluation Methods	1	1 hours	
10.	Humanistic Evaluation Methods	1	1 hours	
11., 12	Pharmacovigilance	1	1 hours	

### 5. Teaching and learning Methods:

5.1	Lectures using whiteboard
5.2	Lectures using Data show, PowerPoint presentations
5.3	Research assignments
5.4	Discussion session

### 6. Student Assessment:

#### a- Assessment methods

1. Written exam	To assess understanding, intellectual and professional skills
2. Oral	To assess knowledge, understanding, intellectual skills, general skills and confidence

#### b- Assessment schedule

Assessment 1	Mid-term	6 <sup>th</sup> week
Assessment 2	Oral	15 <sup>th</sup> week
Assessment 3	Written	15 <sup>th</sup> week

#### c- Weighting of assessments

1.	Mid-term examination	10 %
2.	Final-term examination	75 %
3.	Oral examination	15 %
Total		100 %

### 7. List of References

No	Reference	Type
1.	Course notes prepared by the department staff members	Course notes



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2.	Remington Education: Drug Information and Literature Evaluation Abate, Marie A.; Blommel, Matthew L.	<b>Book</b>
3.	AHFS - Drug Information Published by the American Society of Health-System Pharmacists	<b>Book</b>

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

No	Topics	Week	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Introduction to drug information concept	1	a1 a2 a3 a4	b1 b2 b3	c1	d1 d2
2	Types of drug information resources	2	a1 a2	b1 b2 b3	c1	d1 d2
3	Primary drug information resources	3	a3 a4	b1 b2 b3	c1	d1 d2
4	Secondary drug information resources	4	a1 a2	b1 b2 b3	c1	d1 d2
5	Tertiary drug information resources	5	a3 a4	b1 b2 b3	c1	d1 d2
6	Setting up drug information center	7	a1 a2	b1 b2 b3	c1	d1 d2
7	Principles of Pharmacoeconomics	8	a3 a4	b1 b2 b3	c1	d1 d2
8	Economic Evaluation Methods	9	a1 a2	b1 b2 b3	c1	d1 d2
9	Humanistic Evaluation Methods	10	a3 a4	b1 b2 b3	c1	d1 d2
10	Pharmacovigilance	11, 12	a1 a2	b1 b2 b3	c1	d1 d2

<b>Course Coordinator:</b>	<b>Moataza Mahmoud Hassab Elsayed</b>
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