



Course specification
2020- 2021
Faculty of Pharmacy
Mansoura University



Fourth Level

Course Specification Clinical pharmacy

University: Mansoura University (MU)
Faculty: Pharmacy
Department: Pharmacy practice
Course title: Clinical pharmacy
Course code: PP 416

Program on which the course is given	Bachelor of Pharmacy (Credit Hours)
Academic Level	Fourth Level, First semester, 2020-2021
Date of course specification approval	28/10/2020

1. Basic Information: Course data:

Course title:	Clinical pharmacy	Code: PP 416
Specialization:	Pharmaceutical	
Prerequisite:	Physiology	
Teaching Hours:	Lecture: 2	Practical: 2
Number of units: (credit hours)	3	

2. Course Aims:

1. Deliver patient care in hospital and community pharmacies; and promote rational, safe and effective use of medication in pharmacy practice settings. Scoping of clinical pharmacy and its objectives
2. Knowing the types of drug interaction and how to manage them
3. Knowing the clinical laboratory data and its interpretation
4. Understanding the concept of clinical pharmacy and the role of clinical pharmacist
5. Providing patient care that optimizes the use of medication and promotes health, wellness, and disease prevention
6. Promoting the correct and appropriate use of medicinal products and devices
7. Maximizing the clinical effect of medicines, i.e. using the most effective treatment for each type of patient

3. Intended learning outcomes (ILOs):

a- Knowledge and understanding

[a1] Summarize the principles of therapeutic, pharmacovigilance and the rational use of



drugs.

b- Intellectual skills

[b1] Apply principles of safe and effective medicines and dealing with drug related problems.

[b2] Predict possible interactions and other prescription-related problems that may occur during drug dispensing.

[b3] Apply the pharmacotherapeutic principles in the proper selection and use of drugs in various disease conditions.

[b4] Assess possible drug interactions, adverse drug reactions, pharmacovigilance and other drug-related problems, as essential issues in implementing pharmaceutical care.

c- Professional and practical skills

[c1] Assess risks concerning drug-drug interaction, adverse reaction and incompatibilities in different pharmaceutical preparations.

[c2] Apply the concepts of pharmaceutical care in different pharmacy practice settings.

d- General and transferable skills

[d1] Promote critical thinking, problem-solving, decision-making, and time managing capabilities.

[d2] Support patient, pharmaceutical and health care



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4. Contents:

Week No	Topics	No. of hours	Lecture credit hours	Practical credit hours
1.	Introduction of clinical pharmacy	2	2 hours	
2.	Case history and patient history	2	2 hours	
3.	Clinical problems solving	2	2 hours	
4.	Patient management approach	2	2 hours	
5	Dermatological Disorder	2	2 hours	
6	Upper Respiratory Tract Infections	2	2 hours	
7.	Mid-term Exam			
8.	Urinary Tract Infection	2	2 hours	
9.	Peptic Ulcer Disease	2	2 hours	
10.	Asthma	2	2 hours	
11.	Thyroid Disorder	2	2 hours	
12.	Case presentation	2	2 hours	
14.	Week 15 Final written & oral			
	Practical topics			
Week No	Topics	No. of hours	Lecture credit hours	Practical credit hours
1.	Patient Presentation / Adverse Drug Reactions Reporting	2		1 hour
2.	Case study: Dermatological Disorder Tinea Pedis , Tinea Cruris & Tinea Unguim	2		1 hour
3.	Case study: Upper Respiratory Tract (Infections Acute Otitis Media (AOM	2		1 hour
4.	Case study: Upper Respiratory Tract (Infections Acute Pharyngitis)	2		1 hour
5.	Case study: Urinary Tract Infection ((UTI	2		1 hour
6.	Case study: Peptic Ulcer Disease	2		1 hour



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7.	Mid-term Exam			
8.	Case study: Asthma	2		1 hour
9.	Case study: Type-I Diabetes Mellitus	2		1 hour
10.	Case study: Type-II Diabetes Mellitus	2		1 hour
11.	Case study: Thyroid Disorder	2		1 hour
12.	Case study: Revision	2		1 hour

5. Teaching and learning Methods:

5.1	Lectures using whiteboard and PowerPoint presentations
5.2	Lectures using recorded video presentations
5.3	Research assignments
5.4	Case study
5.5	Discussion session – online interactive chats
5.6	Self-learning techniques

6. Student Assessment:

a- Assessment methods

1. Written exam	To assess understanding, intellectual and professional skills
2. Practical exam	To assess professional and practical skills
3. Oral	To assess knowledge, understanding, intellectual skills, general skills and confidence
4. Case study	To assess the skills of problem-solving

b- Assessment schedule

Assessment 1	Practical	12 th week
Assessment 2	Mid-term	7 th week
Assessment 3	Oral	15 th week
Assessment 4	Written	15 th week

c- Weighting of assessments

1.	Mid-term examination	10 %
2.	Final-term examination	50 %
3.	Oral examination	15 %
4.	Practical examination and Semester work	25 %
Total		100 %



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7. List of References

No	Reference	Type
1.	Practical course notes prepared by the department staff members	Course notes
2.	Clinical Pharmacy and Therapeutics by Roger Walker and Catherine Whittlesea, 6th Edition, 2018.	Book
3.	Stokley's drug interaction, 12th Ed, by Karen Baxter (2019)	Book
4.	Oxford Handbook of Clinical Pharmacy (Oxford Handbook) by Philip Wiffen, Marc Mitchell, Melanie Snelling, and Nicola Stoner	Book
5.	British National Formulary, 2019	Website

8. Matrix of knowledge and skills of the course

No	Topics	Week	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Introduction of clinical pharmacy	1	a1	b1, b2	c2	d1
2	Case history and patient history	2	a1	b1, b3	c2	d1,d2
3	Clinical problems solving	3	a1	b1, b4	c2	d1,d2
4	Patient management approach	4	a1	b1, b4	c1,c2	d1,d2
5	Dermatological Disorder	5	a1	b1, b3	c1	d2
6	Upper Respiratory Tract Infections	6	a1	b1, b3	c1	d2
7	Mid-term Exam	7	---	---	---	---
8	Urinary Tract Infection	8	a1	b1, b3	c2	d1,d2
9	Peptic Ulcer Disease	9	a1	b1, b3	c2	d1,d2
10	Asthma	10	a1	b1, b3	c2	d1,d2
11	Thyroid Disorder	11	a1	b1, b3	c1, c2	d1,d2
12	Case presentation	12	a1	b1, b3	c2	d1,d2

Course Coordinator:	Prof. Dr. Mohamed Elhousseiny Elsebeey Shams
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