



Course specification
2019- 2020
Faculty of Pharmacy
Mansoura University



المستوى الثالث

توصيف مقرر Hospital Pharmacy

University: Mansoura
Faculty : Pharmacy
Department : Pharmaceutics
Course title:

Program on which the course is given	B. Pharm
Academic Level	Third Level, semester two
Date of course specification approval	

1- Basic Information : Course data :

Course title:	Hospital Pharmacy	Code:	PP325
Specialization:	Pharmacy practice		
Prerequisite:			
Teaching Hours:	Lecture: 2	Practical:	-----
Number of units: (credit hours)	2		

2- Course Aims:

This course was designed to provide student with knowledge about the basic structure and functions of hospital pharmacy focusing on the role of pharmacist in hospitals and the pharmacy services provided to in patients and out-patients. The course affords awareness about safe use of medications in the hospitals and develops different skills needed for hospital pharmacist, including pharmaceutical calculations.

Intended learning outcomes (ILOs):

a- Knowledge and understanding

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

a1	Describe the principles of clinical and hospital pharmacy, including I.V. admixtures, and drug distribution system.
a2	Identify the central sterile supply unit and its management, pharmacy and therapeutic committee, manufacturing units in hospitals in addition to investigational drugs.
a3	Explain the convenient type of suture materials used in different types of wounds.
a4	Illustrate the different types of pharmaceutical packaging.
a5.	Identify suitable total parenteral nutrition TPN preparation, and enteral nutrition regimens.



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b- Intellectual skills

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

b1	Predict possible incompatibilities and other prescription-related problems that may occur during drug dispensing.
b2	Predict the kinetics of administered drugs and optimize their dosage and protect the patients from drug contraindications and side effects.
b3	Specify pharmacy practice requirements in handling of biopharmaceutical products, packing and labeling and intravenous admixtures.
b4	Specify normal duties and activities of the pharmacist in the hospital.
b5	Designate the best patient drug related needs during TPN therapy.

c- Professional and practical skills

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

c1	Apply the concepts of pharmaceutical care in different pharmacy practice settings.
c2	Compound, dispense, label, store and distribute medicines effectively and safely

d- General and transferable skills

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

d1	Communicate clearly by verbal and written means with patients and other health care professionals.
d2	Promote critical thinking, problem-solving, decision-making, and time managing capabilities.
d3	Support patient, pharmaceutical and health care.
d4	Plan strategies to fulfill workplace pharmaceutical needs.



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3- Contents:-

Week No	Topics	No. of hours	Lecture	Practical
1.	Introduction to hospital pharmacy	2	2	-
2.	Plasma substitutes and plasma expanders and blood products	2	2	-
3.	Parenteral products and methods of administration	2	2	-
4.	Surgical sutures	2	2	-
5.	Hospital therapeutic committee.	2	2	-
6.	Drug formulary of the hospital.	2	2	-
7.	Week 7 Mid-term			
8.	Inpatient medication management.	2	2	-
9.	Outpatient pharmacy.	2	2	-
10.	-Small scale production -Pharmaceutical disposal -Controlling leakage	2	2	-
11.	Enteral nutrition	2	2	-
12.	Total parenteral nutrition	2	2	-
	Week 15 Final written & oral			

4- Teaching and learning Methods:

4.1	Lectures using white board and data show.
4.2	Assignment
4.3	Discussion session

5. Student Assessment:

a- Assessment methods:

1-Written exam	To assess understanding, intellectual, professional
2-Oral	To assess Knowledge, understanding, intellectual skills, general skills and confidence
3-Quizzes	To assess Knowledge, understanding and intellectual skills

b- Assessment schedule

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



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c- Weighting of assessments

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

6 - List of References

No.	Reference	type
1	Hospital Pharmacy Journals, Thomas L. and Publishers Incorporated, 2006-2013	course notes
2	<ol style="list-style-type: none">1. British National Formulary, British Medical Association and Royle Pharmaceutical Society of Great Britain, London., 20122. Clinical Pharmacy, G.N. Jenkins, G.J. Sperandio & C.J. Latiolais, The Blakiston Division, McGraw-Hill Book Co. N.Y., London, 20123. Remington's Pharmaceutical Sciences, Alfonso R. Gennaro, Editor, Mack Publishing Company, Easton, PA, USA., 22nd edition, 20124. Hospital Pharmacy, Martin Stephen, 2nd edition, Pharmaceutical Press, London, 2011.5. Introduction to Hospital & Health-System Pharmacy Practice, T.R. Brown and D.A. Holdford, American Society of Health-System Pharmacists, 2010.6. Pharmaceutical Practice, Winfield, A.J. and Richards R.M.E., Churchill Livingstone, 4th edition, 2009.7. Approved Drugs, Ministry of Health, Sultanate of Oman, 1995.8. Hospital Pharmacy, William E. Hassan, 5th edition, Lea & Febiger, 1986.9. Textbook of Hospital Pharmacy by M.C. Allwood, J.T. Fell, Blackwell Science Ltd, 1980.	Books
3	http://www.mcc.ac.UK/pharmweb , http://www.druginfonet.com	Websites



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7. Matrix of knowledge and skills of the course

No	Course contents	Study Week	ILOS			
			Knowledge & understanding	Intellectual skills	Professional and practical skills	General & transferable skills
1.	Introduction to hospital pharmacy	1 st	a1	b3	c1	d2, d3
2.	Plasma substitutes and plasma expanders and blood products	1 st	a1	b3	c1	d2, d3
3.	Parenteral products and methods of administration	2 nd	a4	b3	c1	
4.	Surgical Sutures	3 rd	a3	b3	c1	d1, d2
5.	Hospital therapeutic committee.	4 th	a2	b4	c1	d2, d3
6.	Drug formulary of the hospital.	5 th	a2	b4	c1	d2, d3
7.	Week 7 Mid-term	6 th				
8.	Inpatient medication management.	8 th	a2	b4	c1	d1,d2
9.	Outpatient pharmacy.	9 th	a2	b3	c1	d4
10.	-Small scale production -Pharmaceutical disposal -Controlling leakage	10 th	a3	b3	c1	d2, d3
11., 12	Enteral nutrition Total parenteral nutrition	11 th , 12 th	a5	b5	c2	d1

Course Coordinator :	Dr. Noha Mansour
Head of department	Prof. Dr. Manal Mohamed Ibrahim Eid