Course Specifications of Pharmacology for Master degree in Paediatric Hepatology

-1Program Title: Master degree in pediatrics hepatology
2- Minor/major element of the program: minor
3- Department offering the program: Pediatric hepatology department
4- Department offering the course: Pharmacology Department
5- Academic year/level: First part

A. Basic Information

Title: pharmacology for Master degree in paediatrics hepatology
Total hours:

Total hours	Tutorial/clinical	Practical	Lectures
15 hours			15 hours

B. Professional Information

.1Course aims:
The aim of this course is to provide the student with the basic pharmacological knowledge and skills essential for the practice of Pediatric hepatology specialty and necessary to gain further training and practice in the field of Pediatrics hepatology.

2. Intended Learning Outcomes of Courses (ILOs)

a- Knowledge and understanding:
By the end of the course, the student is expected to be able to:
a1. list indications, pharmacokinetics and side effects of commonly used drugs in the field of pediatrics.
b- Intellectual Skills
By the end of the course, the student is expected to be able to:
b1. link between knowledge for professional problem solving.
b2. Identify different pediatric problem and choose the proper drugs and therapeutic measures for them .
c- Professional and Practical Skills:
By the end of the course, the student is expected to be able to:

c1. Master the basic and modern professional pharmacological skills needed for the pediatric hepatology practice .

d- General and Transferable Skills:

By the end of the course, the student is expected to be able to:

d1. Communicate effectively by different types of effective communication .

d2. Use appropriate computer program packages and the internet to serve the development of professional practice

d3. Assess himself and identify his personal learning needs.

d4. Use of different sources for information and knowledge.

d5. Manage time effectively .

d6. Maintain Continuous self-learning

3. Contents

Tutorial/ Practical	Lecture	No. of hours	Subjects
	1 2	1 2	Basic pharmacological principles : pharmacodynamics pharmacokinetics drug interactions Cardiovascular drugs: - antihypertensive drugs - heart failure drugs - antiarrhythmic drugs - diuretics
	1 1 1	1 1 1	respiratory system drugs : - asthma drugs - antitussive drugs GIT drugs - drug treatment of peptic ulcer drug treatment of blood diseases
	2	2	drugs acting on CNS :

	2	2	- sedative-hypnotics - antiepileptic drugs Non-steroidal anti-inflammatory drug
	1 4	1 4	Endocrine drugs antimicrobial drugs
	15	15	Total

4. Teaching methods:

.4.1Lectures

4.2. Attending and participating in scientific conferences, workshops and thesis discussions. (To acquire the general and transferable skills)

5. Methods of Students assessment:

5.1. Research assignments (to assess intellectual skills & general and transferable skills)

5.2. Final written exam , includes:

- Short assay (to assess knowledge and understanding)

5.3. Final oral exam , includes:

- Structured oral exam (to assess knowledge and understanding)

Assessment Schedule

Assessment 1	Research assignments	Week : 16 - 20
Assessment 2	Final written exam	Week : 22 - 24
Assessment 3	Final oral exam	Week : 22 – 24

Weighting of Assessments

Assessment 1	Research assignments	Formative-only
Assessment 2	Final written exam	70 %(degree from 150)
Assessment 3	Final oral exam	30%(degree from 50)
Total		100 %

6. List of References

6.1- Course Notes

Lecture notes prepared by the staff members in the department

6.2- Essential Books (Text Books)

Katzung , basic and clinical pharmacology

6.3- Recommended Books

Lippincott’s illustrated reviews of pharmacology

6.4- Periodicals, Web Sites, … etc

1. http://www.ncbi.nlm.gov/
3. Findarticle.com
4. Freemedicaljournals.com

7. Facilities Required for Teaching and Learning

1- Adequate infrastructure:

Including teaching places, comfortable desks, good source of aeration, bathrooms, good illumination, safety and security tools.

2- Teaching tools:

Including screens, computers, data show, projectors, flip charts, white boards,
video player, digital video camera, scanner, copier, color and laser printer

Dean: Prof. Dr. Magdy Khalil

Head of Quality Assurance Unit: Dr . wessam saber morad