Course Specification

Pediatrics

1. General information

Course Title	Pediatrics
Code No.	PE753
Department	Pediatrics
Teaching Hours	230hrs.
Language	English
Academic Year	Fifth Year
Course Coordinator	Dr. Mustafa Alfaqiyah
Date and Signature	September 2020

1.1 . Number of hours per week

Lectures:12hrs.(3 months)   Clinical: 10 hrs. (3 months)   Tutorial: 1hr.

2. Objectives of Course:

- Providing students with basic knowledge of normal and abnormal growth and development of its clinical application from birth through adolescence.
- To provide students with fundamental knowledge regarding common and serious pediatric conditions and diseases.
- To enable students to provide basic health care for individuals in the Pediatric age
- group (neonates, infants, children and adolescents)
- To develop positive attitude of continuous medical education and promotion of professional skills and research capabilities

3. Intending Learning Outcomes (ILOs):

a. Knowledge and Understanding:

On successful completion of the course, student will be able to:

a.1	Describe normal growth and development during infancy, childhood and adolescence.
a.2	Identify growth and development disorders and the way of managements..
a.3	Define congenital and inherited diseases and their impact on child and family.
a.4	Describe nutritional requirements and state their deficiency effect on infant and child.
a.5	Describe the indications, contraindications, administration and precautions of the immunizations according to the national schedule and the condition of the child.
a.6	Recognize the most important behavioral and social issues during childhood and adolescence
a.7	Describe appropriate measures for health promotion as well as prevention of disease and injury in infants, children and adolescents.
a.8	Identify the clinical manifestation of various pediatric diseases.
a.9	Know the proper managements for urgent and chronic disorders
a.10	Understand child psychiatric disorders and management of abused child

b. Intellectual skills:

On successful completion of the course, student will be able to:

b.1	Interpret the most important symptoms and signs of common and urgent pediatric diseases.
b.2	Plan an appropriate managements for different diseases.
b.3	Analyze and interpret investigation accurately to reach a proper diagnosis and treatment.
b.4	Early recognize important child psychiatric disorders and child in need.

c. Practical and Professional Skills:

On successful completion of the course, student will be able to:

c.1	Take and record an appropriate patient medical history.
c.2	Check vital signs in neonates, infants, children and adolescents
c.3	Assess physical and mental development in neonates, infants, children and adolescents according to standard milestones and recognize abnormalities.
c.4	Assess the nutritional status of infants and children and take the anthropometries properly.
c.5	Recognize different neonatal and pediatric emergencies

d. General and Transferable skills:

On successful completion of the course, student will be able to:

d.1	Handle and treat neonate carefully and in a professional manner.
d.2	Communicate effectively with children, adolescent and their families.
d.3	Maintain appropriate professional attitudes and behaviors in different practice situations.
d.4	Keep clear patient records and utilize IT skills in presenting data.

4. Course Contents:

Academic Subject	Total Hours (230)	Lectures	Clinical	Tutorial
Introduction to pediatric	4	2	2	-
Nutrition and Infant Feeding	10	4	4	2
Growth and Development	6	2	2	2
Respiratory System	22	10	10	2
Cardiovascular System	22	10	10	2
Nervous System	20	8	8	4
Nephrology	20	8	8	4
Hematology/Oncology	18	8	8	2
Gastroenterology and Hepatology	14	6	6	2
Neonatology	24	10	10	4
Endocrine System	12	6	6	-
Infectious and Parasitic Diseases	22	10	10	2
Immunity & Connective tissue disease	10	4	4	2
Genetics and Dysmorphology	4	2	2	-
Pediatric toxicology	4	2	2	-
Metabolism disease	4	2	2	-
Psychiatric disease	8	4	4	-
Immunization & cold chain	6	2	2	2

5. Teaching and Learning Methods :

- Formal Lectures
- Tutorials and case-based discussion
- Assignment
- Clinical sessions:
    - pediatric ward rounds (small- group teaching, practice of clinical skills, video demonstration of basic neonatal procedures).
    - Attending inpatient and outpatient clinics as well as neonatal section.

6. Evaluation Methods

	Evaluation Method	Date	Marks 200	%	ILOs Assessed
1	**Mid-year Exam**	**June**	**30**	**15%**	Knowledge, understanding and intellectual skills
2	**Final Exam**	**December**	**170**	**85%**	
	▪ Written		70		Knowledge, understanding and intellectual skills
	▪ Clinical		80		knowledge, understanding and intellectual skills Practical and professional skills General and transferable skills
	▪ Oral		20		Knowledge, understanding and intellectual skills Professional, general and transferable skills

7. Evaluation Schedule:

Evaluation	Date
Mid-term written exam	**June**
Final written exam: - Paper one: MCQs - Paper two: clinical cases	**December**
Practical exam: - short and long clinical cases Students are examined by external and internal doctors	**December**
Oral exam: conducted by external examiners	**December**

8. References:

Reference Title	Publisher	Edition	Author	Place
Course Handout			Department Staff	Library
Nelson Textbook of Pediatrics	Elsevier	20th 2015	Robert kliegman, et al.	
Illustrated text book of pediatric	Elsevier	5th 2017	Tom lissauer Will carroll Elsevier	

9. Required Facilities:

Required Facilities	Comments
Intensive care ward	
Lecture hall in pediatric ward	
Neonatal teaching room	
Neonatal resuscitation Model	
General and specialized inpatient clinic	

Course Coordinator: Dr. Mustafa Alfaqiyah   signature:……………………

Programme Coordinator: Dr. Hussain Amaigil   signature:……………………

Head of Department: Dr. Mustafa Alfaqiyah   signature:…………..………..

Date   September. 2020

Course ILOs Mapping Matrix – Pediatrics

Topic	Knowledge and Understanding a										Intellectual Skills b				Practical and Professional Skills c					General and Transferable Skills d			
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	1	2	3	4	5	1	2	3	4
Introduction to pediatrics	x							x				x	x		x					x	x	x	x
Nutrition and Infant Feeding				x					x		x	x	x		x	x		x		x	x	x	x
Growth and Development	x	x						x			x	x	x		x	x	x		x	x	x	x	x
Respiratory System								x	x		x	x	x		x	x	x		x	x	x	x	x
Cardiovascular System								x	x		x	x	x		x	x	x		x	x	x	x	x
Nervous System								x	x		x	x	x		x	x	x		x	x	x	x	x
Nephrology								x	x		x	x	x		x	x	x		x	x	x	x	x
Hematology/Oncology								x	x		x	x	x		x	x	x		x	x	x	x	x
Gastroenterology and Hepatology								x	x		x	x	x		x	x	x		x	x	x	x	x
Neonatology	x	x						x	x		x	x	x		x	x	x		x	x	x	x	x
Endocrine System	x							x	x		x	x	x		x	x	x		x	x	x	x	x
Infectious and Parasitic Diseases	x	x						x	x		x	x	x		x	x	x		x	x	x	x	x
Immunity& Connective tissue disease	x	x						x	x		x	x	x		x	x	x		x	x	x	x	x
Genetics and Dysmorphology		x	x					x	x		x	x	x		x	x	x		x	x	x	x	x
Pediatric toxicology	x						x	x	x		x	x	x		x	x	x		x	x	x	x	x
Metabolism disease	x	x						x	x		x	x	x		x	x	x		x	x	x	x	x
Psychiatric disease	x					x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x
Immunization & cold chain					x			x	x						x	x	x		x	x	x	x	x

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