Republic of Iraq

Ministry of Higher Education & Scientific Research
Supervision and Scientific Evaluation Directorate
Quality Assurance and Academic Accreditation

Specification Form for The Academic Program

University: **Warith Alanbyaa**

College: **college of Medicine**

Department: **Pediatrics**

Date of Form Completion:1/12/2024

Dean's Name	Dean's Assistant for Scientific Affairs	Head of Department Dr.Ashwaq Ali Hussein
Date: / /	Date: / /	Date
Signature	Signature	Signature

Quality Assurance and University Performance Manager

Date: / /

Signature

Assistant professor Dr. :

1. Teaching Institution	Kerbala Medical College
2. Department/Centre	Pediatric department
3. Program Title	Pediatrics course
4. Title of Final Award	M.B.CH.B.
5. System	annually
6. Accreditation	Iraqi National Guideline on Standards for Established and Accrediting Medical School
7. Date of production/revision of this specification	2024
8. Aims of the Program	

Objectives of the academic program
1 -Teaching students the principles of pediatrics and enabling them to apply them safely. 2 -Students are able to work as a resident doctor in a hospital with the competencies and knowledge required to deal with patients. 3 -Acquiring first aid skills in treating urgent cases. 4 -Knowledge of primary health care for children in health and illness and diagnosing risk factors 5- Providing students with the skills of taking a correct medical history and how to reach a pathological diagnosis.
9. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and understanding By the end of this course, all students will gain knowledge and systematic understanding of: 1 .Normal growth and development (including developmental stages) from newborn to adolescence, and the factors affecting them (genetic and environmental). **2** .Nutrition in relation to the growth of infants and children. Which include: nutritional

needs, breastfeeding, and malnutrition diseases

3 .Clinical manifestations and differential diagnosis of common pediatric diseases.

4 .Evaluation and management of common problems that appear in newborns, infants, childhood and adolescence.

5 .Interpreting common diagnostic methods and tests and making the appropriate choice between them according to the case.

6 .Disease prevention, immunization, control of infectious diseases, isolation, and preventive treatments in cases of infectious diseases.

7. Detect life-threatening medical conditions in children and manage them in accordance with approved protocols.

B. Subject-specific skills

At the end of the program, the student is expected to be able to:

1 .Take the relevant medical history and focus on the medical problem.

2 .Conduct an appropriate physical examination of the child, whether general or local.

3 .Make diagnostic and therapeutic decisions based on clinical judgment.

4 .Interpretation of laboratory data as well as imaging results.

5. The ability to build a medical record based on information derived from the interview, history and physical examination.

10. Teaching and Learning Methods

Theoretical lectures (60 hr)via Data show, and slides presentation, with oral discussion

Assessment methods

MCQ,EMQ,OSCE

Thinking skills

1- Improving the student's ability to perform assignments and submit them on the scheduled date.

2- Improving the student's ability to dialogue and discuss.

3- Improving the ability to interpret pathological conditions and how to deal with them.

11. Practical

Stage	Course or Module Title	Hours
fifth	Pediatrics	60

12. Personal Development Planning		
Follow curricula that depend on gaining knowledge and skills.		
13. Admission criteria.		
Degree of the student in the final exam		
14. Key sources of information about the program		
	BOOK TITLE	**AUTHOR(s) / EDITOR**
	Main Resourses	
1	**Department of pediatrics DOCUMENTS**	**Department of pediatrics**
2	**Nelson Essentials of Pediatrics,**	**Karen j. Marcdante, MD, robert m. Kliegman, MD**
	References	
3	Illustrated Textbook of Pediatrics	Tom Lissauer,Graham Clayden
4	Pediatric Clinical Examination 6th ed.	Gill and O'Brien
5	Macleod's Clinical OSCEs	Paul O'Neill, Alexandra Evans, Tim Pattison etc.
6	The Harriet Lane Handbook (22nd-edition-2020)	Keith kleinman, MD, lauren mcdaniel, MD,(the johns hopkins hospital)

Year 5 :

Teaching Hours for Pediatric Curriculum

Total teaching hours: 60 hours in 30 weeks duration for each group Distributed as follow:

- ***Lectures:*** **1 hour ×60 Topics = 60 hours.**
- ***hospital training:*** **30 hours.**
- ***Skill Lab.:*** 2 **hour ×** 15 **Topics = 30 hours.**

TOTAL 120 hr.

	Theory Lectures		
	Topics	Hours	lecturer
L	**Lectures content**		
1	Urinary tract system: - Urinary tract infections, upper and lower UTI etiology, presentation diagnosis and treatment,	1	Dr.Ashwaq Ali Hussein
2	Urinary tract system: -Hematuria, causes	1	
3	Urinary tract system: -glomerular diseases: post streptococcal Glomerulonephritis(pathology presentation, complications and treatment	1	
4	Urinary tract system: - Nephrotic syndrome(Etiology, pathophysiology, classification, presentation, Diagnosis, Treatment)	1	
5	Urinary tract system: -Acute kidney injury	1	
6	Urinary tract system: -chronic kidney damage	1	
7	Urinary tract system: -Renal tubular acidosis	1	
8	Neonatology: - normal newborn(examination of newborn baby, Body	1	Dr.Alaa Qassim Hadi

	parameters, body proportions, growth abnormalities)		
9	Neonatology: Prematurity, small for date, large for date babies,	1	
10	Neonatology: - Hypothermia, hypocalcemia and hypoglycemia	1	
11	Neonatology: - Transient tachypnea of newborn, meconium aspiration	1	
12	Neonatology: Hyaline membrane disease	1	
13	- - Birth injury,(cephal hematoma, caput succedaneum, Erbs ,Klumpkis palsy ,fracture clavicle, humerus ,femur)	1	
14	Neonatology: Birth asphyxia,	1	
15	Neonatology: Haemorrhagic disease of newborn	1	
16	Neonatology: Neonatal resuscitation	1	
17	Neonatal sepsis	1	
18	Gastroenterology: liver failure and other liver diseases in pediatrics,	1	Dr.Mohamed Kadhum Hassan
19	Gastroenterology: Chronic diarhoea	1	
20	Cardiology:	1	Dr.Tareef Fadhil

	- Introduction, congenital heart disease classification -A cyanotic heart disease, ASD, VSD		Raham
21	Cardiology: -A cyanotic heart disease , PDA, Coarctation of aorta	1	
22	Cardiology: - Cyanotic heart disease, TOF		
23	Cardiology: - Cyanotic heart disease, TGA, Tricuspid atresia, Epstein anomaly	1	
24	Cardiology: - Heart failure	1	
25	Cardiology: - Cardiomyopathy(types, complications)	1	
26	Cardiology: - Rheumatic fever	1	
27	Cardiology: -Subacute bacterial endocarditis	1	
28	Cardiology: Acute myocarditis	1	
29	Cardiology: Cardiac tumor Arrhythmia	1	
30	Neurology:	1	Dr.Enas Moaid

	-calssification of neurological diseases in paediatric - approach to neurological diseases(history,examination,investigations) -congenital anomalies of CNS(macrocephaly, microcephaly, increase intra cranial pressure, Brain abscess, Hydrocephalus)		
31	Neurology: -congenital anomalies of CNS(macrocephaly, microcephaly, increase intra cranial pressure, Brain abscess, Hydrocephalus)	1	
32	Neurology: -Seizure in childhood(classification, clinical feature ,diagnosis,treatment)	1	
33	Neurology: Febrile convulsions Status epilepticus	1	
34	Cerebral palsy (Definition, types, presentation, Treatment)	1	
35	Neurology: - Guillain-Barre Syndrome	1	
36	Neurology: - Neuromuscular disorders -myasthenia gravis - Duchene muscular dystrophy	1	

37	Endocrine System: - Diabetes mellitus(etiology, clinical presentation, diagnosis, Treatment)	1	Dr.Alaa Qassim Hadi
38	Endocrine System: - Diabetic ketoacidosis, Diabetes insipidus	1	
39	Endocrine System: Diabetes insipidus	1	
40	Short stature (definition,causes,diagnosis,treatment)		
41	Endocrine System: - Hypothyroidism(aetiology, clinical presentation, Diagnosis,Treatment)	1	
42	- Hyperthyroidism (aetiology, clinical presentation, Diagnosis,Treatment)	1	
43	Endocrine System: - Ambiguous genitalia-1(aetiology, investigations, clinical presentation, treatment)	1	
44	Endocrine System: - Ambiguous genitalia-2		
45	Hematology: - Anaemia, Classification, Iron deficiency anemia,	1	Dr.Ashwaq Ali Hussein
46	Hematology: Anemia of inflammation and chronic diseases, Megaloblastic anemia , aplastic anemia	1	

47	Hematology: - Haemolytic anaemia's, Thalassemia, beta thalassemia and alpha thalassemia	1	
48	Hematology: - Sickle cell anemia, Hereditary spherocytosis, G6PD deficiency	1	
49	Hematology: Autoimmune haemolytic anaemia, iso immune haemolytic anaemia Polycythemia, disorders of platelet	1	
50	Hematology: Oncology (Epidemiology of paediatric cancer, predisposing factors, clinical presentation of malignancy)	1	
51	Hematology: Oncology - leukemia	1	
52	Hematology: Oncology Childhood lymphoma, non-Hodgkin lymphoma, Hodgkin disease	1	
53	Rheumatological diseases of childhood: -juvenile rheumatoid arthritis -SLE	1	Dr.Tareef Fadhil Raham
54	Rheumatological diseases of childhood: -henoch schoenlen purpura -kawasaki disease	1	

55	Genetics: -Clinical genetics /basic genetics Inherited disorders: genetic, chromosomal and multifactorial	1	Dr.Ashwaq Ali Hussein
56	Genetics: - - chromosomal abnormalities(Down Syndrome, Edward Syndrome, Pataus syndrome, Turner Syndrome)	1	
57	Poisoning: - General principles in poisoning Aspirin and acetaminophen poisoning	1	Dr.Enas Moaid
58	Poisoning: -Iron poisoning, Tricyclic antidepressants poisoning	1	
59	Poisoning: - Organo phosphorus compound poisoning -Kerosene poisoning.	1	
60	- child abuse	1	

Skill lab (15 wk)(2hr/wk-total 30 hr):

	objectives	Weeks
	pediatric Hx part 1	**1**
	pediatric Hx part 2، Communication skills	**2**

	Breaking bad news, medical ethics, medical interview and how to deal with pediatric patient	**3**
	Pediatric general examination ,vital signs(age appropriate norms)	**4**
	-real healthy child in college --1 **Pediatric physical assessment (growth measurements and growth charts)**	**5**
	--videos (developmental milestones),	**6**
	Pediatric systemic examination part 1 (respiratory), application on real heaithy child	**7**
	Pediatric systemic examination part 2(CVS) **application on real heaithy child**	**8**
	Pediatric systemic examination part 3(abdomen examination) **application on real heaithy child**	**9**
	Pediatric systemic examination part 4 (CNS examination) **application on real heaithy child**	**10**
	Slides for common paediatric cases	**11**
	Data interpretations for common paediatric cases	**12**
	Review	**13**
	Review	**14**
	Assessment	**15**