

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

Subject : Pediatrics Specification Form for the 4th Year Academic Program 2025-2026

University: Warith Alanbyaa

College: college of Medicine

Department: Pediatrics /4th year

Date of Form Completion:1-8-2025

Dean name

Dr. Ali Abd Sadoon Algazee

Date: / /
/

Dean's Assistant for Scientific Affairs

Dr. Laith Mohamed Alhusseini

Date: / 24 / 8 / 2024

Head of Pediatrics Department

Dr. Tareef Fadhil Raham

Date:

Signature

Signature

Signature

Quality Assurance and University Performance Manager: *professor Dr. A.C. Al Mousawi*

Date: 25 / 8 / 2025

Signature

Pediatrics Specification Form for the Academic Program-4th year 2025-2026

1. Course Title
Pediatrics (4 th years course)
2. Course Code
3. Semester / Academic Year
First & Second Semester, 2025–2026
4. Date of Preparation
01 / 08 / 2025
5. Mode of Attendance
In-person (On-campus)
6. Total Contact Hours / Units
30 hours (Theoretical)
7. Course Coordinators / Instructors
Asst. Prof. Dr. Tareef Fadhil Raham (tareeffadhil@yahoo.com) University Lecturer Dr. Alaa Qasim Hadi University Lecturer Dr. Mohammed Kazem Hassan
8. Course Objectives
To teach students the fundamentals of Pediatrics and introduce them to the diagnosis and management of pediatric cases.

First: Knowledge and Understanding (General Skills)

- **Acquire basic theoretical knowledge in clinical and preventive pediatrics, enabling the student to understand the general principles of child health.**
- **Recognize normal growth and development of the child across different stages, and understand indicators of normal growth as well as common deviations.**
- **Identify factors influencing child health, whether genetic, environmental, or related to healthcare.**
- **Understand the fundamentals of child nutrition, including nutritional requirements, breastfeeding, and recognition of malnutrition disorders.**
- **Become familiar with common pediatric internal diseases, with emphasis on theoretical differential diagnosis (how to distinguish between several clinical possibilities based on signs and symptoms presented in lectures or case studies).**
- **Assess and manage common problems occurring in early childhood, middle childhood, and adolescence.**
- **Interpret common laboratory tests and diagnostic investigations, and select the most appropriate ones depending on the case.**
- **Apply principles of prevention, early screening, and early diagnosis of common diseases, while adhering to preventive treatment plans when necessary.**
- **Recognize pediatric emergencies that are life-threatening and understand their management according to established clinical protocols.**

Second: Subject-Specific Skills

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

- **Collect basic medical information from theoretical case studies.**
- **Analyze symptoms and clinical signs through illustrative examples and lectures.**
- **Relate theoretical knowledge to pathophysiological mechanisms in order to understand diagnostic reasoning.**
- **Interpret results of basic laboratory and radiological investigations presented in clinical scenarios or case studies.**
- **Prepare a written medical summary based on theoretical knowledge and case studies, as preparatory training for clinical practice in later stages.**

Third: Thinking and Application Skills

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

- **Evaluate and manage common pediatric health problems.**
- **Interpret basic laboratory and diagnostic tests presented in lectures or case studies, and select the most appropriate investigations for a given hypothetical clinical**

scenario.

- Apply principles of prevention and early diagnosis for common childhood diseases.
- Recognize theoretically life-threatening emergencies and understand their management according to clinical protocols.
- Keep updated with scientific advances in the diagnosis and treatment of common pediatric diseases through reviewing evidence and medical guidelines.
- Apply ethical principles in medical practice, such as confidentiality, respect for patients, and teamwork.
- Develop effective communication skills with children, their families, and the healthcare team through interactive lectures and classroom activities.

9. Teaching & Learning Strategies

Strategy:

The course aims to teach students the fundamental principles of Pediatrics in a systematic and structured manner, with an emphasis on theoretical foundations as a basis for later clinical training.

- Topics are delivered through structured teaching methods (lectures, classroom discussions, and theoretical case studies).
- Students are encouraged to develop critical thinking and to connect theoretical knowledge with future medical practice.

10-Structure of the Course: one lecture / week for each group (Group A and Group B)

Week	Contact Hours	Unit / Topic Title	Intended Learning Outcomes (ILOs)	Teaching / Learning Method	Assessment Methods
1 st semester	15	Pediatrics	Understand normal growth patterns and principles of child health	Lecture/ In-person	1. Formative Assessment: <ul style="list-style-type: none"> • Conducted at the end of each teaching unit. • Aims to provide immediate feedback in order to measure students' progress in
1	1	Growth & Development	Identify developmental milestones from birth to early childhood	Lecture/ In-person	
2	1	Developmental milestones (1)	Recognize milestones up to puberty	Lecture/ In-person	
3	1	Developmental milestones (2)	Understand natural and acquired	Lecture/ In-person	

			immunity		<p>learning and to identify areas of strength and weakness.</p> <p>2. Summative Assessment:</p> <ul style="list-style-type: none"> • Conducted at the end of the semester. • Includes Multiple Choice Questions (MCQs) and/or essay-type questions. • Measures the overall achievement of the intended learning outcomes (ILOs) of the course.
4	1	Immunity – Definition & Types	Describe vaccination principles and schedules	Lecture/ In-person	
5	1	Immunization	Explain nutritional requirements and breastfeeding	Lecture/ In-person	
6	1	Infant feeding (1)	Identify complementary feeding strategies	Lecture/ In-person	
7	1	Infant feeding (2)	Discuss common feeding disorders	Lecture/ In-person	
8	1	Feeding problems	Recognize signs/symptoms and complications	Lecture/ In-person	
9	1	Gastroenteritis	Describe fluid/electrolyte therapy	Lecture/ In-person	
10	1	Dehydration & ORT	Identify causes and evaluation methods	Lecture/ In-person	
11	1	Failure to thrive	Understand types and management principles	Lecture/ In-person	
12	1	Malnutrition	Recognize common deficiencies	Lecture/ In-person	
13	1	Vitamin & mineral deficiencies	Explain causes, risk factors, prevention	Lecture/ In-person	
14	1	Neonatal jaundice		Lecture/ In-person	
15	1	Review & Assessment		Lecture/ In-person	
Second semester	15	Pediatrics	Understand normal growth patterns and principles of child health	Lecture/ In-person	

1	1	Calcium metabolism and rickets	Provide students with theoretical knowledge and essential skills for dealing with pediatric clinical cases	Lecture/ In-person
2	1	Abdominal pain / Hepatitis	Understand causes of abdominal pain and recognize features of pediatric hepatitis	Lecture/ In-person
3	1	Infectious diseases (1)	Identify common infectious diseases and their presentations	Lecture/ In-person
4	1	Infectious diseases (2)	Recognize additional infectious diseases and management principles	Lecture/ In-person
5	1	Infectious diseases (3)	Discuss complications and preventive strategies for pediatric infections	Lecture/ In-person
6	1	Meningitis and encephalitis (1)	Recognize clinical presentation and early diagnosis	Lecture/ In-person
7	1	Meningitis and encephalitis (2)	Understand complications, prognosis, and supportive care	Lecture/ In-person
8	1	Chronic infectious diseases: Tuberculosis	Understand pathophysiology, diagnosis, and treatment of pediatric TB	Lecture/ In-person
9	1	Malabsorption	Recognize	Lecture/

		syndromes (Celiac disease)	clinical features and dietary management of celiac disease	In-person	
10	1	Respiratory system: Atopic conditions and asthma (1)	Identify clinical presentation and triggers of pediatric asthma	Lecture/ In-person	
11	1	Respiratory system: Atopic conditions and asthma (2)	Understand management and preventive measures for asthma	Lecture/ In-person	
12	1	Respiratory system: Apnea, breath-holding spells, sleep apnea, upper airway obstruction (choanal atresia, laryngomalacia, tracheomalacia, foreign body inhalation, congenital lung anomalies)	Recognize life-threatening respiratory conditions and their acute management	Lecture/ In-person	
13	1	Respiratory system: Croup, Epiglottitis, Bronchiolitis, Bacterial tracheitis	Provide students with theoretical knowledge and essential skills for dealing with pediatric clinical cases	Lecture/ In-person	
14	1	Respiratory system: Pneumonias, Pleural effusion, Pneumothorax, Cystic fibrosis	Understand causes of abdominal pain and recognize features of pediatric hepatitis	Lecture/ In-person	
15	1	Review & Assessment		Lecture/ In-person	
11. Course Evaluation and Grade Distribution					

The final grade (out of 100) is distributed across various activities and examinations as follows:

Student evaluation in the course covers several complementary components, namely:

1. Class Participation:

- Based on the student's commitment to classroom discussions and engagement with learning activities.

2. Midterm, Semester, and Final Examinations:

- Exams conducted during the academic terms to measure progress and stage-based achievement.

3. Examination:

- Includes both objective questions (MCQs) and essay-type questions, measuring the overall achievement of the course's intended learning outcomes.

12. Learning and Teaching Resources

1. Essential / Core Resources

- **Department Documents:**

Lectures, tutorials, and instructional videos approved by the Department of Pediatrics.

- **Core Textbook:**

Nelson Essentials of Pediatrics

Karen J. Marcadante, MD & Robert M. Kliegman, MD.

2. Supplementary Resources:

- Additional books and references recommended for deeper understanding and broader knowledge:
 - *Illustrated Textbook of Pediatrics* – Tom Lissauer, Graham Clayden
 - *Gill and O'Brien Pediatric Clinical Examination* (6th ed.) – Paul O'Neill, Alexandra Evans, Tim Pattison, etc.
 - *Macleod's Clinical OSCEs* – Keith Kleinman, MD; Lauren McDaniel, MD; (The Johns Hopkins Hospital)
 - *The Harriet Lane Handbook* (22nd edition, 2020)
 - *Nelson Textbook of Pediatrics* – Robert M. Kliegman
- Reliable electronic resources and trusted academic websites.

