



## Course Specifications

<b>Course Title:</b>	Pediatrics
<b>Course Code:</b>	PED472
<b>Program:</b>	Bachelor of Medicine, Bachelor of Surgery (MBBS)
<b>Department:</b>	NA
<b>College:</b>	College of Medicine
<b>Institution:</b>	Alfaisal University

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## A. Course Identification

<b>1. Credit hours:</b> 9 (2+14+0)
<b>2. Course type</b>
a. University <input type="checkbox"/> College <input checked="" type="checkbox"/> Department <input type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> Sem 7/8, Year 4
<b>4. Pre-requisites for this course (if any):</b> Sem 5 and 6
<b>5. Co-requisites for this course (if any):</b> None

### 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	25	14%
2	SGTs, BSTs, Student presentations, Clinics	154	86%

### 7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	25
2	Laboratory/Studio	
3	Tutorial	154
4	Others (specify)	
	<b>Total</b>	179

## B. Course Objectives and Learning Outcomes

### 1. Course Description

The pediatric clerkship provides a basic foundation in pediatrics to the medical students. Focusing on how pediatric care differs from that of adults, the rotation enables students to build a foundation of basic knowledge, skills, and attitudes necessary for them to provide quality care for children and to serve as advocates for children and families.

### 2. Course Main Objective

To build a foundation of basic knowledge, skills, and attitudes necessary to provide quality care for children and to serve as advocates for children and families.

### 3. Course Learning Outcomes

	CLOs	Aligned PLOs
1	Knowledge and Understanding	

CLOs		Aligned PLOs
1.1	Describe the basic knowledge of growth and development (physical, physiologic, and psychosocial) and its clinical application from birth through childhood.	PLO2,3,4
1.2	List the common pediatric acute and chronic illnesses.	PLO4,6,9,10,23,30
1.3	List the common types of problems seen in ambulatory pediatrics.	PLO4,6,9,10,30
1.4	List the various outpatient presentations and longitudinal follow-up of acute and chronic pediatric conditions.	PLO6,9,10,30
1.5	Recognize the special needs of premature and critically-ill babies.	PLO9,22,23
1.6	Master the newborn exam and know how to provide initial steps of stabilization of newborn babies.	PLO14,10
<b>2</b>	<b>Skills :</b>	
2.1	Obtain an appropriate history of patients and families if needed.	PLO13
2.2	Perform proper physical examination.	PLO14,15
2.3	Interpret data collected.	PLO5,9,18
2.4	Provide a prioritized problem list.	PLO18,12
2.5	Describe pertinent testing and possible management.	PLO6,16,17,18,30
2.6	Present the information in a succinct, focused oral discussion.	PLO17
2.7	Perform subjective and objective assessment.	PLO18
2.8	Interact with other members of the team in patient area.	PLO24
2.9	Develop clinical problem-solving skills.	PLO12
<b>3</b>	<b>Values:</b>	
3.1	Respect and understanding of the roles and relationship of primary care and specialty care providers	PLO19,20,21,24
3.2	Demonstrate personal qualities of reliability and dependability	PLO27
3.3	Adhere to the attendance policy.	
3.4	Demonstrate interpersonal skills necessary to maintain professionalism, communicate appropriately with patients, their families, and other medical and paramedical personnel involved in patient care.	PLO24,25,28

### C. Course Content

No	List of Topics	Contact Hours
<b>Lectures</b>		
1	Introduction to history taking and physical examination in children	1
2	Basic Newborn Care	1
3	Anemia in Children	1
4	CNS Infections	1
5	Common Pediatric Behavioral Problems	1
6	Cystic Fibrosis	1
7	Common Pediatric Emergencies	1
8	Immunization	1
9	Urinary tract infection	1
10	Introduction to Adolescent Medicine	1
11	Fluid and Electrolyte Management	1

12	Asthma	1
13	Approach and Introduction to Allergic Disorder	1
14	Nephrotic syndrome	1
15	Rickets	1
16	Approach and introduction to Immunodeficiency	1
17	Diarrhea and Malabsorption	1
18	Juvenile Idiopathic Arthritis	1
19	Renal Failure, Acute and Chronic	1
20	Diabetes Mellitus	1
21	Introduction to Medical Genetics and Metabolic Disorders I	1
22	Introduction to Medical Genetics and Metabolic Disorders II	1
23	Child Abuse and Neglect	1
24	Common Neonatal Problems	1
25	Respiratory Infections	1
<b>Small Group Teachings</b>		
1	Assessment of Child with edema	1
2	Inflammatory bowel disease	1
3	Shock	1
4	Health Advocacy	1
5	Pediatric Nutrition	1
6	Hydrocephalus	1
7	Febrile Convulsions	1
8	Ambiguous Genitalia	1
9	Failure to Thrive	1
10	Eating Disorder	1
11	Nocturnal Enuresis in Children	1
12	Mode of Inheritance and Counselling	1
13	Fever of Unknown Origin	1
14	Approach to Headache in Children	1
15	Growth and Development	1
<b>Bed Side Teachings</b>		
1	Supervised History Taking session	2
2	General Examination of a child	4
3	Respiratory system examination	8
4	Abdominal examination of child	8
5	Musculoskeletal Examination of child	4
6	Developmental assessment	2
7	History taking: Child with Failure to thrive	2
8	History taking: Child with jaundice	2
9	History taking: Child Edema	2
10	History taking: Child with respiratory symptoms	2
11	History Taking: Child with gastroenterology symptoms	4
12	General Pediatrics Rounds	4
13	History taking: Child with Fever	2
14	History Taking: Child with Seizure disorders	2
15	History Taking: Child with joint pain	2
16	Growth Assessment	2

Student Presentations/Projects	50
Out Patient Clinics	30
NICU Rotation	7
<b>Total</b>	179

## D. Teaching and Assessment

### 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge and Understanding</b>		
1.1	Describe the basic knowledge of growth and development (physical, physiologic, and psychosocial) and its clinical application from birth through childhood.	Lectures, small group teaching	Formative and summative assessment
1.2	List the common pediatric acute and chronic illnesses.	Lectures, small group teaching, bedside teaching	Formative and summative assessment
1.3	List the common types of problems seen in ambulatory pediatrics.	Attending clinic, small group teaching	Formative and summative assessment
1.4	List the various outpatient presentations and longitudinal follow-up of acute and chronic pediatric conditions.	Attending clinic, small group teaching	Formative and summative assessment
1.5	Recognize the special needs of premature and critically-ill babies.	Lecture, small group teaching, newborn examination, NICU rounds	Continuous, formative and summative assessment
1.6	Master the newborn exam and know how to provide initial steps of stabilization of newborn babies.	Lecture, small group teaching, newborn examination, NICU rounds	Formative and summative assessment
<b>2.0</b>	<b>Skills</b>		
2.1	Obtain an appropriate history of patients and families if needed.	Lecture, Bedside teaching	Formative and summative assessment
2.2	Perform proper physical examination.	Lecture, Bedside teaching	Formative and summative assessment
2.3	Interpret data collected.	Outpatient clinic	Formative and summative assessment
2.4	Provide a prioritized problem list.	Lecture, Bedside teaching, small group teaching	Formative and summative assessment
2.5	Describe pertinent testing and possible management.	Lecture, Bedside teaching, small group teaching	Formative and summative assessment

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.6	Present the information in a succinct, focused oral discussion.	Lecture, Bedside teaching, Small group teaching	
2.7	Perform subjective and objective assessment.	Case presentation	Continuous and summative assessment
2.8	Interact with other members of the team in patient area.	Bedside teaching, Newborn examination, NICU rounds	Summative assessment
2.9	Develop clinical problem-solving skills.	Small group teaching, Bedside teaching, Newborn examination, NICU rounds	Continuous, formative, and summative assessment
<b>3.0</b>	<b>Values</b>		
3.1	Respect and understanding of the roles and relationship of primary care and specialty care providers	Bedside teaching, Newborn examination, NICU rounds, Clinics	Formative and summative assessment
3.2	Demonstrate personal qualities of reliability and dependability	Student presentation, Case presentation	Formative and summative assessment
3.3	Adhere to the attendance policy.		Continuous assessment
3.4	Demonstrate interpersonal skills necessary to maintain professionalism, communicate appropriately with patients, their families, and other medical and paramedical personnel involved in patient care.	Bedside teaching, Newborn examination, NICU rounds, Clinics	Continuous assessment

## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Student presentations	Weekly	30%
2	Log book (case presentations)	8	30%
3	Final Exam (including Mini-CEX – History taking/Physical examination)	9	40%

\*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

## E. Student Academic Counseling and Support

### Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

The CoM program established its own mentorship program that employs all full-time faculty as mentors. Through this program, every medical student in the program is assigned a mentor at the beginning of their first semester of studies. The program has a broad scope covering academic advising and counseling. The mentors handle all aspects related to academic advising,

including academic planning, academic performance review, advice on course drop or withdrawal, study skills, and time management.

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	<ul style="list-style-type: none"> <li>Nelson’s Essential Pediatrics</li> </ul>
<b>Essential References Materials</b>	<ul style="list-style-type: none"> <li>Illustrated Textbook of Pediatrics</li> <li>Pediatric Clinical Examination: Pocket Tutor</li> <li>Manual of Clinical Paediatrics (for Medical Students &amp; Postgraduate Doctors) 6th Edition by Dr. Mansour Al Howasi.</li> <li>Pediatrics for Medical Students</li> </ul>
<b>Electronic Materials</b>	PowerPoint presentations uploaded on Alfaisal E-learning Portal  UpToDate MD Consult
<b>Other Learning Materials</b>	Journals: <ul style="list-style-type: none"> <li>Pediatrics</li> <li>Pediatrics in Review</li> <li>Contemporary Pediatrics</li> <li>Archives of Pediatrics and Adolescent medicine</li> <li>Pediatric Clinics of North America</li> </ul>

### 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	AV (Audio-Visual), Smartboard, Moodle (E-learning Management)
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course and Faculty Evaluation Survey	Students	Survey

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)



## H. Specification Approval Data

<b>Council / Committee</b>	
<b>Reference No.</b>	
<b>Date</b>	