Course Syllabus - MBBCh

1. Academic Unit Name: PED423 Pediatrics		
2. Credit/contact hours:	Theory Hours Lectures 65	Practical Hours Clinical training: 344
3. Number of weeks	**18**	
4. Level/year at which this course is offered:	**Y3 S2. And Y4S1**	
5. Pre-requisites for this course: completion of all Biomedical sciences		
6. Co-requisites for this course (if any)**: none**		

Pediatric course Synopsis

The pediatrics clerkship is eighteen-week clinical experience designed to provide medical students with the knowledge and skills that are fundamental to caring for infants, children, and adolescents. Through interactive didactic sessions, simulation sessions and clinical training, medical students learn about growth, development, the diagnosis and management of both common acute and chronic pediatric illnesses. During this clerkship, students will learn the skills and techniques that will aid them in the approach and evaluation of pediatric patients. Pediatrics clerkships enable students to develop and apply of appropriate professional attitudes, communication and problem solving skills.

During this rotation, students will have opportunities to learn and observe pediatric care in a variety of clinical environments, which may include: inpatient ward services, outpatient primary care & specialty clinics, and the neonatal care units.

Academic Unit Learning Outcomes

	CLOs	Aligned-PLOs
Knowledge		
K1	Describe etiology, clinical features, investigations and management of common pediatric diseases and important disorders in Neonates, infants and children	A1
K2	Describe normal and abnormal patterns of growth during infancy and different ages of childhood and their appropriate management	A1

CLOs		Aligned-PLOs
k3	Define the clinical symptoms, clinical manifestations of common emergency pediatric conditions and management and appropriate plan of action.	A2
Skill		
S1	Demonstrate an ability to obtain information in an age-appropriate from a child and or the accompanying adult including: neonatal history, immunizations, nutrition history, growth & development& family history.	B1
S2	Develop compassionate and respectful communication skills adapted to the clinical setting (e.g. wards, ambulatory) that facilitate an age-appropriate and culturally sensitive with children, adolescents and their families	B3
S3	Demonstrate competency in performing the physical examination of different body systems in children & adolescents, explain the diagnostic correlation of physical exam findings and interpret them	B2
S4	Perform physical growth assessment and anthropometric measurement & Perform the basic developmental milestones assessment of toddlers & children.	B2
S5	Demonstrate improving clinical problem-solving and critical thinking skills through development of a reasonable differential diagnosis, appropriate investigation and interpretation of results (labs & imaging) and plan of care using evidence	B2
Attitude		
A1	Demonstrate the attitudes and professional behavior and ethics with colleagues, teachers, patients and their families appropriate for clinical pediatric practice	C4
A2	Adopt the strategies of health promotion that pertain to infants, children, including disease prevention (assessing immunization status) and anticipatory guidance about nutrition during a health care visit	C1

Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
K1	Describe etiology, clinical features, investigations and management of common pediatric diseases and important disorders in Neonates, infants and children	Lectures, case discussion, clinical rounds, Aquifer cases	MCQ-based exams at mid rotation , of rotation and end of term quizzes. Workplace based assessment activities and portfolios . Final MCQs based written exam , final OSPE
K2	Describe normal and abnormal patterns of growth during infancy and different ages of childhood. and their appropriate management	Lecture, Clinical rounds, Child health clinics- PHC	Workplace-based assessment activities using portfolios ,and final OSPE
k3	Define the clinical symptoms, clinical manifestations of common emergency pediatric conditions and describe management and appropriate plan of action.	Lectures, case discussion. Clinical round	MCQ-based written exams at mid rotation , of rotation and end of term quizzes. Workplace based assessment activities using portfolios Final MCQs based written exam and final OSPE
S1	Demonstrate an ability to obtain information in an age-appropriate from a child and or the accompanying adult including: neonatal history, immunizations, nutrition history, growth & development, home environment & family history.	Clinical rounds, simulation session ,outpatient clinics , Students case presentation	Workplace-based assessment activities using Mini-Clex and portfolios feedback, end of term clinical assessment and final OSCE
S2	Develop compassionate and respectful communication skills adapted to the clinical setting (e.g. wards, ambulatory) that facilitate an age-appropriate and culturally sensitive therapeutic alliance with children, adolescents and their families	Clinical rounds, outpatient clinics, simulation session	Workplace-based assessment activities using Mini-Clex and portfolios feedback, final OSCE

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
S3	Demonstrate competency in performing the physical examination of different body systems in children & adolescents, explain the diagnostic correlation of physical exam findings and interpret them	Clinical rounds, outpatient clinics , simulation session	Workplace-based assessment activities using portfolios , end of term clinical assessment, final OSCE
S4	Perform physical growth assessment and anthropometric measurement & Perform the basic developmental milestones assessment of toddlers & children.	Clinical rounds, Child health clinics-PHC	Workplace-based (PHC) assessment activities using multi-source and portfolios , final OSCE
S5	Show improving clinical problem-solving and critical thinking skills through development of a reasonable differential diagnosis, suggest appropriate investigation and interpretate of results (labs & imaging) and plan of care using evidence	PHC visits, topic discussions, Case discussion	MCQ-based written exams, end of term quiz. Workplace-based assessment activities using portfolios , student case presentation evaluation and final OSPE
A1	Demonstrate the attitudes and professional behavior and ethics with colleagues, teachers, patients and their families appropriate for clinical pediatric practice	Clinical rounds, outpatient clinics, PHC	Workplace-based assessment activities, student case presentation evaluation and final OSCEs
A2	Apply health promotion that pertain to infants, children, including disease prevention (assessing immunization status) and anticipatory guidance about nutrition during a health care visit	Clinical rounds, Outpatient clinics PHC visit	Workplace-based assessment activities using portfolios and final MCQs ,OSCE exam

2. Assessment Tasks for Students

	Assessment task*	Week Due	Percent Assessr
	Embedded (WPBA) assessment written MCQs test, OSPE, clinical examination assessment, assignment, oral case presentation .)	Bi-weekly	30%
	Final Med (written exam, OSPE exam and OSCE)	Final	70%

***Assessment task** (i.e., written MCQs test, OSPE, clinical examination assessment , oral case presentation .)

Learning Resources and Facilities

1.Learning Resources

Required Textbooks	- R. Behrman, R.Kliegman. *Neslon Essentials of Paediatrics*. W.B Saunders. 9th Edition - Illustrated Textbook of Pediatrics. Tom Lissauer and Graham Clayden. Mosby international. 6th Edition - Manual of Clinical Paediatrics.Mansour N. Al Howasi 8th Edition - Hutchinson Clinical method 24th Edition
	• *Nelsons Textbook of Paediatrics*. 21st Edition • William Hay, Myron Levin, Mark Abzug.(2022) Current diagnosis & treatment in Pediatrics (26th edition). • F.Oski. *Principles and practice of Paediatrics*
Electronic Materials	• https://www.amboss.com/us/knowledge/Pediatrics_clerkship/ • Aquifer
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, simulation lab room , demonstration rooms .)	Training in healthcare facilities and simulation laboratory
Technology Resources (AV, data show, Smart Board, software, etc.)	Online and computer-based digital resources library
Other Resources (High fidelity mannequin)	Volunteers and simulated patients