



Mansoura University Faculty of Medicine

Log Book

Pediatrics Department

2016 - 2017

ختم القسم

إيصال تسليم Log Book

اسم الطالب :

الفرقة :

رقم الجلوس :

تاريخ التسليم :

توقيع المستلم :



رسالة الكلية

"تقديم مستوى عال التميز في التعليم والتدريب الطبي
وتقديم خدمات صحية متميزة للمجتمع
عن طريق المراكز الطبية المتخصصة
وكذلك الإرتقاء بالبحث العلمي"

رؤية الكلية

"أن نصنف إقليميا ونحقق التميز في التعليم الطبي
والبحوث وخدمة المجتمع"

Template for Course Specifications

Faculty : Medicine
Department : Pediatrics

Course Specifications

Programme(s) on which the course is given : MBBCH
Department offering the course : Pediatrics
Academic year / level : 2015/ 2016 (5th year)
Date of specification approval : 27/4/2016

A- Basic information:

Title: Pediatrics Code: PED
Lecture: 108 Tutorial: 0 Practical 110 Total: 218

B- Professional Information:

1-Overall Aims of Course

- 1-To provide students with knowledge, attitude and skills required to deal efficiently with common pediatric problems with special emphasis on pediatric emergencies.
- 2-To provide the student with skills required to prevent pediatric health hazards and maintain normal pediatric health and child welfare.
- 3- To engage the student in post graduate active learning and research in the pediatric field

2-Intended Learning Outcomes (ILOs):

a- Knowledge and Understanding:

By the end of the course, the student will be able to;

- a1- Demonstrate normal and abnormal patterns of growth and development.
- a2- Identify factors and disorders affecting growth and their management
- a3 Relate nutritional requirements in different age groups and how to meet these requirements.
- a4- Identify the merits of breast and artificial feeding.
- a5- Describe the diagnostic criteria and the management of common nutritional disorders.
- a6- Identify features of full term and preterm newborn
- a7- Recognize common neonatal problems and their management namely, neonatal jaundice, prematurity and low birth weight, respiratory distress and cyanosis in newborns, hypoglycemia and birth injuries.
- a8- Determine the principles of neonatal resuscitation in the delivery room.
- a9- Describe in full details the national immunization program for children.
- a10- Determine normal and abnormal chromosomal patterns in human, modes of inheritance and common chromosomal abnormalities.
- a11- Explain causes, presentation and management of nephritis, nephrotic syndrome, urinary tract infection and renal impairment in children.
- a12- Recognize common pediatric CVS problems, list features and management of acute rheumatic fever and common congenital heart diseases.
- a13- Identify symptoms, list investigations and management of upper and lower respiratory disorders especially croup, pneumonia and bronchial asthma.
- a14- Explain causes and features of common types of anemia and bleeding tendency and their management

- a15- Explain different presentations of common childhood malignancies namely acute leukemia, lymphoma and their outline of management.
- a16- Indicate vaccine preventable bacterial and viral infections.
- a17- Recognize the common endocrinal disorders of childhood namely; thyroid, diabetes mellitus and short stature.
- a18- Recognize common pediatric neurologic problems, list causes, features and management of hydrocephalus, cerebral palsy and different types of seizures.
- a19- Identify common pediatric GIT disorders and list causes, features and management of acute, chronic liver diseases and cirrhosis
- a20- Explain causes, presentation and management of diarrhea and dehydration.
- a21 List and recall the steps of basic and advanced life support, and identify grades and management of coma in children.
- a22 Demonstrate features, causes and management of electrolyte disturbances and underline respiratory and metabolic emergencies

b- Intellectual Skills:

By the end of the course, the student will be able to;

- b1- Relate symptoms to disorders of cardiovascular system in children.
- b2- Evaluate the properties and advantages of breast versus artificial feeding
- b3- Assess causes and patterns of protein energy malnutrition and vitamin deficiencies.
- b4- Assess common neonatal problems such as jaundice, preterm, birth injuries and asphyxia.
- b5- Distinguish high risk newborns .
- b6- Assess patients with serious pediatric respiratory and metabolic emergencies, seizures and shock and decide management plan.
- b7- Evaluate cases with hematuria or edema.
- b8- Distinguish cases of rheumatic or congenital heart and determine and differentiate types of heart murmur.
- b9- Categorize upper from lower respiratory diseases and assess common causes of recurrent or persistent wheeze or cough
- b10- Evaluate cases of anemia, bleeding tendencies and decide clues of hematologic malignancies
- b11- Assess types of exanthematous fevers
- b12- Distinguish between cases of CNS infections from other imitators
- b13- Design preventive measures of common infectious diseases
- b14- Determine the basic management of common endocrinological problems such as diabetes, thyroid
- b15 Differentiate between causes and patterns of upper and lower motor neuron lesions and causes of inability to walk
- b16 Distinguish between different types of dehydration and compose management plans

c- Professional and Practical Skills:

By the end of the course, the student will be able to;

- c1- Take focused history according to the child's complaint.
- c2- Perform clinical examination of different systems competently and illustrate clinical sign.
- c3- Determine criteria of life threatening conditions in children to initiate appropriate management.

- c4- Decide the proper management of patient on a general inpatient service and which require critical care.
- c5- Practice family-centered patient care that is culturally effective and developmentally age appropriate
- c6- Apply the techniques of neonatal and pediatric resuscitation (Skill lab).
- c7- Interpret the results of different diagnostic tools such as radiological, other laboratory investigations such as CBC, bleeding profile and blood gases and how to implement these data in the diagnosis, management and follow up of cases.
- c8- Counsel properly the patients and families regarding their conditions .
- c9- Employ safe prescriptions of different types of drugs based on patient's weight, age and health condition.

d- General and Transferable Skills:

By the end of the course, the student will be able to;

- d1- Apply principles of the lifelong learning needs of the pediatric profession.
- d2- Practice information and communication technology effectively in the field of pediatric practice.
- d3- Manage, and manipulate information by all means, including electronic means during presentation of cases.
- d4- Report information clearly in written, electronic and oral forms.
- d5- Communicate ideas and arguments effectively through case discussion and interactive teaching.
- d6- Work effectively within a team through case taking and resuscitation maneuvers
- d7- Apply Evidence Based Medicine in management decisions.
- d8- Apply safety and infection control measures during practice.

E- Professional attitude:

By the end of the course, the student will be able to;

- E.1. Adopt an empathic and holistic approach to the patients and their problems.
- E.2. Respect patients' rights and involve their caretakers in management decisions.
- E.3. respect the different cultural beliefs and values in the community they serve.
- E.4. Recognize the important role played by other health care professions in patients' management.
- E.5. Be aware of and understand the National Code of Ethics issued by the Egyptian Medical Syndicate.
- E.6. Recognize one's own limitations of knowledge and skills and refer patients to appropriate health facility at the appropriate stage.
- E.7. Ensure confidentiality and privacy of patients' information.

F- Communication skills:

By the end of the course, the student will be able to;

- F.1. Communicate clearly, sensitively and effectively with patients and their relatives, and colleagues from a variety of health and social care professions.
- F.2. Communicate effectively with individuals regardless of their social, cultural, ethnic backgrounds, or their disabilities.
- F.3. Honor and respect patients and their relatives, superiors, colleagues and any other member of the health profession.

3- Contents:

Topic	No. of hours	Lecture	Tutorial/Practical
Growth and Development	6	4	2
Nutrition and Infant Feeding	20	10	10
Perinatology and Neonatology	22	12	10
Social and Preventive Paediatrics	11	3	8
Genetics and Dysmorphology	12	6	6
Nephrology	14	8	6
Cardiovascular system	22	10	12
Respiratory System	22	10	12
Hematology/Oncology	22	10	12
Infectious and Parasitic Diseases	14	8	6
Endocrinology and Metabolism	12	6	6
Neuromuscular Disorders	12	6	6
Gastroenterology and Hepatology	13	7	6
Pediatric Emergencies	14	8	6
Skill lab	2		2
Total	216	108	110

4-Teaching & Learning Methods:**Methods Used:**

4.1-Lectures

The course is taught over 75 lectures one and half hours each (total 108 hrs).

4.2-Clinical rounds: For clinical demonstrations, practice of skills, and discussions.

4.3- Self learning: through team work performance of

- Scientific research on certain points within scientific curriculum.
- Simplified collection and interpretation of data from field studies.
- Preparation and presentation of clinical cases.
- Afternoon clinical tutorial in Mansoura University Hospital wards.

4.4- Skill lab:

- Neonatal resuscitation manikins
- Pediatric resuscitation manikins.

4.5- Bed-side teaching (in very small groups) in the 6 general pediatric inpatient units.

Time Plan:

Item:	Time schedule	Teaching hours	Total hours
Lectures	<u>Saturday to Thursday</u> 9 - 10:30 am	75 lectures X 1.5 hour	108 hours
Clinical rounds	10.30 – 12 pm	54 sessions X 2 hours	108 hours
Skill lab	1-3 pm		2 hours
TOTAL			218 hours

5-Student Assessment Methods:

Method	To Assess
5.1 Written examination (Ultra short essay)	a1-a22, b1-b16
5.2 MCQ examination	a1-a22, b1-b16
5.3 Structured examination (practical and clinical)	a1-a22, b1-16, c1-c9, e1-e7, f1-f4
5.4 Oral examination (structural oral exam)	a1-a22, b1-b16, c1-c9, d1-8, e1-e7, f1-3
5.5 Summative assessment (presentation of clinical cases, research or field studies)	b1- b16, c1, d2, d3, d4, d5

ASSESSMENT SCHEDULE:

- **TERM EXAMINATION:** Takes place at the end of each clinical term. This is in the form of an OSCE exam including 6-8 stations (history, skills, communications, diagnostic tools, interpretations and clinical cases).
- **FINAL EXAMINATION:** at the end of the academic year for all students.

WEIGHTING OF ASSESSMENTS

Examination		Mark	percent
Term Examination			
	OSCE	90	18%
Log book activities and assay presentation		10	2%
Final examination			
Theory			
	Ultra short assay	175	50%
	MCQ	75	
Practical			
	OSCE (clinical)	120	24%
	Oral (structural)	30	6%
Total		500	100%

- The minimum passing score is 300 marks provided that at least 30% (75 marks) are obtained in the written exam including (assay and MCQ)
- Final grades are:

** EXCELLENT	≥85%	** VERY GOOD	75 - <85%
** GOOD	65- <75%	**PASS	60-<65%.

Course ILOs matrix:

Topics	ILOs																													
	A																						B							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	1	2	3	4	5	6	7	8
Growth and Development	X	X																				X								
Nutrition and Infant Feeding			X	X	X																			X	X					
Perinatology and Neonatology						X	X	X																		X	X			
Social and Preventive Paediatrics									X																					
Genetics and Dysmorphology										X																				
Nephrology											X											X							X	
Cardiovascular system												X											X							X
Respiratory System													X									X						X		
Hematology/Oncology														X	X															
Infectious and Parasitic Diseases																X														
Endocrinology and Metabolism																	X					X						X		
Neuromuscular Disorders																		X			X							X		
Gastroenterology and Hepatology																				X	X	X								
Pediatric Emergencies												X	X								X	X						X		
Methods of teaching																														
Lectures	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X			
Clinical rounds	X				X	X		X		X	X	X	X	X		X	X	X		X	X	X	X		X		X	X	X	X
Self learning					X						X								X				X							X

Topics	ILOs																																	
	B							C									D								E							F		
	9	1	1	1	1	1	1	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	1	2	3
	0	1	2	3	4	5	6																											
Growth and Development												X			X			X	X		X	X						X	X					X
Nutrition and Infant Feeding												X			X				X		X	X						X	X					X
Perinatology and Neonatology								X	X	X		X	X					X	X		X	X	X							X		X	X	X
Social and Preventive Paediatrics				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
Nephrology								X	X						X	X	X		X	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	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	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	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	X	X	X		X	X	X	X	X	X
Endocrinology and Metabolism					X			X	X	X					X	X	X		X	X	X	X	X		X	X	X		X	X	X	X	X	X
Neuromuscular Disorders			X			X		X	X	X					X	X	X		X	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	X		X	X	X		X	X	X	X	X	X
Pediatric Emergencies					X	X	X	X	X	X	X		X	X	X	X	X			X	X	X	X		X	X	X	X	X	X		X	X	X
Methods of teaching																																		
Lectures		X	X	X	X	X	X				X	X		X	X	X	X		X	X			X							X		X		
Clinical rounds	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Self learning					X	X	X	X			X							X	X	X	X	X			X	X	X	X	X	X				

6- List of References:

- 6.1 Illustrated text book of pediatrics by Tom Lissaeur
- 6.2 Nelson's "Essentials of Pediatrics" (available from bookshops at the faculty)
- 6.3 Course Notes

7- Facilities Required for Teaching and Learning:

7.1 LECTURE HALLS: 7 halls for lecturers (small group teaching) are available at Mansoura University Children Hospital (MUCH). The hall is equipped with white board, overhead projector, and computer and LCD projector.

7.2 CLINICAL ROUNDS HALLS:

-Seven halls for clinical rounds are available at Mansoura University Children Hospital (MUCH). Computer and AV aids facilities are available with prior arrangement.

7.3 LIBRARY:

- The library is located on the 4th floor of the Faculty of Medicine, Mansoura University.
- In addition to the library on 4th floor of the Faculty of Medicine, Mansoura University, there is a specialized paediatric library at MUCH (Professor Mohammad Hafez's Library).
- International databases are available through the website of the university (www.mans.edu.eg)

7.4 CLINICAL FACILITIES:

- Six general pediatric inpatient units at MUCH.
- Eleven specialized pediatric units including pediatric intensive care unit, infectious diseases, neonatology, gastroenterology and hepatology, genetics, allergy and immunology, endocrinology, hematology and oncology, cardiology, nephrology and neurology.
- General and specialized outpatient clinics serving around 600 patients daily. The clinics work for 6 days a week.
- Inpatient Ward.
- Emergency service available through the emergency department of MUCH.

7.5 SKILLS LAB:

- Neonatal resuscitation manikins
- Paediatric resuscitation manikins.

Course Coordinator:

Professor / **Mohammed Ezz**

Signature.....

Head of the department:

Professor / **Mohamed Magdy Abouelkheir**

Signature.....

Blueprint 2015-2016 (Pediatrics)

No.	Topic	Term Exam		Attendance	Ultra Short Essay	MCQ		OSCE	Oral	Total Marks	Relative Weight
		Multi stations	Clinical Cases			75 Questions	6 stations				
1	Growth and Development	5	0		7	5	0	3	20	4%	
2	Nutrition and Infant Feeding	0	5		15	5	20	0	45	9%	
3	Perinatology and Neonatology	5	0		20	15	0	10	50	10%	
4	Preventive Pediatrics	5	0		5	3	0	3	16	3.2%	
5	Genetics and Dysmorphology	0	5		12	5	0	4	26	5.2%	
6	Nephrology	0	5		5	3	20	0	33	6.6%	
7	Cardiovascular system	5	5		12	3	20	0	45	9%	
8	Respiratory system	0	5		15	5	20	0	45	9%	
9	Hematology and Oncology	10	5		8	2	20	0	45	9%	
10	Infections	5	0		25	5	0	5	40	8%	
11	Endocrinology	0	5		15	6	0	0	26	5.2%	
12	Pediatric Emergencies	10	0		20	10	0	0	40	8%	
13	Gastrointestinal diseases and Hepatology	0	5		6	2	20	0	33	6.6%	
14	Neurology	0	5		10	6	0	5	26	5.2%	
15	Log Book Essay Presentation			5 5					10	2%	
Total Marks & %		45(9%)	45(9%)	10(2%)	175(35%)	75(15%)	120(24%)	30(6%)	500	100%	

رئيس قسم طب الاطفال
عبدالله
الد/ على شلتوت
٢٤/٥/٢٠١٥

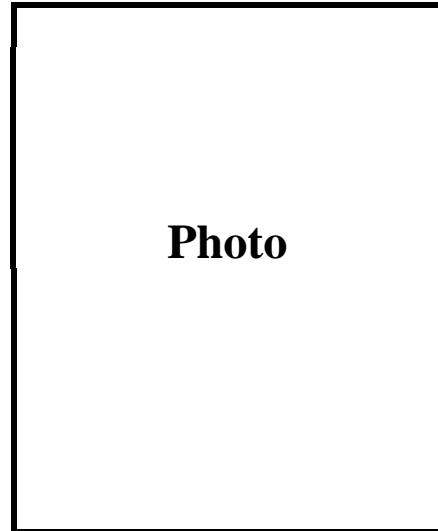
The background of the cover is a faded, light-colored photograph of a large, multi-story university building with many windows, likely the Faculty of Medicine at Mansoura University. The building is centered in the background, and the overall tone is soft and professional.

**Mansoura University
Faculty of Medicine
Department of Pediatrics**

**Logbook
For
5th Year Medical Students
In
PEDIATRICS**

(2013-2014)

Mansoura University
Faculty of Medicine
Pediatric Department



Student's Name:

Address

Telephone Number :

e-mail

Serial Number :

Academic supervisor

Clinical teaching group:

Lectures group :

Clinical tutorial group

Year : 2013 / 2014

Dear student:

Welcome to the Pediatric Department, Faculty of Medicine and Children's Hospital of Mansoura University (MUCH). The core curriculum of Pediatrics to the undergraduate students for all Egyptian Universities has been updated in 2004 to cover the recent recommendations regarding knowledge and practical skills that you have to develop during undergraduate education. Moreover, new topics were added, some topics has been markedly reduced and more time was allowed to cover the overall curriculum contents particularly for the clinical and intellectual skills. The goal of curriculum is to enable you to acquire the necessary knowledge, skills, and attitudes regarding Pediatric medicine to become a competent primary care physician.

In the last three years, the staff members of Pediatric department together with all available facilities of MUCH including teaching classrooms, outpatients clinics, inpatient departments, learning materials and audiovisual aids improved markedly the quality of the overall teaching process delivered for you. By utilizing all of these facilities, remarkable changes were introduced and many of the expected objectives were achieved. First, a relatively small number of students was enrolled for each classroom allowing more chance for interactive teaching. Second, all subgroups of students achieved the same curriculum contents by the end of the clinical course. Third, separate sessions were introduced covering the most common practical problems in Pediatrics through a specialized teaching module of integrated management of childhood illness (IMCI). Fourth, diagnostic tools were expanded to include indications, interpretation of various diagnostic modalities as X-ray. C.T. CBC, and ABG. Finally, Pediatric Emergency Medicine was introduced as an integral part of this curriculum in order to provide students with knowledge and skills necessary for dealing with critically-ill infants and children.

We feel that these changes will make you more oriented with the actual practice and more able to deal with the common Pediatric health problems. It is important for you to become skilled in applying the knowledge, acquired through reading, to your clinical experience. This is usually achieved through your regular attendance and active participation in the different teaching activities.

Finally, we wish you best of luck during your clinical rotation in Pediatrics.

Head of Department

Professional Information

1-Overall Aims of Course

- 1-To provide students with knowledge, attitude and skills required to deal efficiently with common pediatric problems with special emphasis on pediatric emergencies.
- 2-To provide the student with skills required to prevent pediatric health hazards and maintain normal pediatric health and child welfare.
- 3- To engage the student in post graduate active learning and research in the pediatric field

2-Intended Learning Outcomes (ILOs)

a- Knowledge and Understanding

a1-	Describe normal and abnormal patterns of growth and development.
a2-	Enlist factors and disorders affecting growth and their management
a3-	Describe nutritional requirements in different age groups and how to meet these requirements.
a4-	Identify the merits of breast and artificial feeding.
a5-	Discuss the diagnostic criteria and management of common nutritional disorders.
a6-	Describe features of full term and preterm newborn
a7-	Discuss common neonatal problems and their and management namely, neonatal jaundice, prematurity and low birth weight, respiratory distress and cyanosis in newborns, hypoglycemia and birth injuries.
a8-	Mention the principles of neonatal resuscitation in the delivery room.
a9-	Describe in full details the national immunization program for children.
a10-	Identify normal and abnormal chromosomal patterns in human, modes of inheritance and common chromosomal abnormalities.
a11-	Discuss causes, presentation and management of nephritis, nephrotic syndrome, urinary tract infection and renal impairment in children.
a12-	Memorize and recall common pediatric CVS problems: a12.1. Describe symptoms related to disorders of cardiovascular system in children. a12.2. Discuss features and management of acute rheumatic fever and its sequelae. a12.3. Discuss common congenital heart diseases and use of different diagnostic tools in cardiology.
a13-	Describe symptoms, investigations and management of upper and lower respiratory disorders especially croup, pneumonia and bronchila asthma.
a14-	Identify causes and features of common types of anaemias and bleeding tendency and their management
a15-	Describe different presentations of common childhood malignancies namely acute leukemia, lymphoma and their outline of management.
a16-	Identify vaccine preventable bacterial and viral infections and their management.

a17-	Discuss the diagnosis of common endocrinal disorders of childhood namely; thyroid, diabetes mellitus and short stature.
a18-	Define common pediatric neurologic problems: a18.1. Identify causes and features of hydrocephalus, cerebral palsy and mental retardation in children. a18.2. Discuss causes, types and management of seizures.
a19-	Discuss common pediatric GIT disorders: a19.1. Discuss the causes, feature and diagnosis of acute and chronic liver diseases. a19.2. Discuss causes, presentation and management of diarrhea and dehydration.
a20-	Describe common pediatric emergencies and basic lines of management: a20.1. Describe the steps of basic and advanced life support. a20.2. Discuss causes, features and management of electrolyte disturbances and acutely sick child. a20.3. Identify respiratory and metabolic emergencies and how to deal with. a20.4. Enlist causes, grades and management of coma in children.

b- Intellectual Skills:

b1-	Integrate basic biomedical science with clinical care in pediatric practice.
b2-	Compare the properties and advantages of breast versus artificial feeding
b3-	Analyze and differentiate causes and patterns of PEM and vitamin deficiencies.
b4-	Evaluate common neonatal problems such as jaundice, preterm, birth injuries and asphyxia.
b5-	Categorize high risk newborns and determine cases in need for referral.
b6-	Design initial steps of management for stabilization of patients with serious pediatric respiratory and metabolic emergencies, seizures and shock.
b7-	Analyze and differentiate cases with hematuria or edema.
b8-	Evaluate cases of rheumatic or congenital heart and differentiate different types of heart murmur especially functional from organic.
b9-	Distinguish upper from lower respiratory diseases and differentiate common causes of recurrent or persistent wheeze or cough
b10	Categorize cases of anemia, bleeding tendencies and distinguish clues of hematologic malignancies
b11	Differentiate common causes of exanthematous fevers
b12	Distinguish cases of CNS infections from other immitators
b13	Design preventive measures of common infectious diseases
b14	Determine the basic management of common endocrinological problems such as diabetes, thyroid and adrenal dysfunction
b15	Differentiate causes and patterns of upper and lower motor neuron lesions and causes of inability to walk

c- Professional and Practical Skills:

c1-	Take focused history according to the child's complaint.
c2-	Perform clinical examination of different systems orderly, fluently and competently and be skillful in clinical sign detection.
c3-	Recognize criteria of life threatening conditions in children to initiate appropriate management.
c4-	Decide which patients may be managed on a general inpatient service and which require critical care..
c5-	Provide family-centered patient care that is culturally effective and developmentally and age appropriate
c6	Perform efficiently different invasive maneuvers as nasogastric tube, IM, IV injections and oxygen therapy.
c7-	Perform the techniques of neonatal and pediatric resuscitation.
c8-	Interpret different diagnostic tools such as radiological , other laboratory investigations such as CBC, bleeding profile and blood gases and how to implement these data in the diagnosis, management and follow up of cases.
c9-	Perform proper counseling of patients and families.

d-General and Transferable Skills:

d1-	Apply principles of the lifelong learning needs of the pediatric profession.
d2-	Practice information and communication technology effectively in the field of pediatric practice.
d3-	Manage, and manipulate information by all means, including electronic means during presentation of cases.
d4-	Report information clearly in written, electronic and oral forms.
d5-	Communicate ideas and arguments effectively through case discussion and interactive teaching.
d6-	Work effectively within a team through case taking and resuscitation maneuvers
d7-	Apply Evidence Based Medicine in management decisions.
d8-	Manage effectively time and resources and set priorities.
d9-	Solve problems related to patients, work management, and among colleagues.
d10-	Cope with a changing work environment.
d11-	Apply safety and infection control measures during practice.
d12-	Evaluate their work and that of others using constructive feed back
d13-	Analyze and use numerical data including the use of simple statistical methods during practice of field studies.

e-Attitudes:

Graduates should be able to:

e.1.	Adopt an empathic and holistic approach to the patients and their problems.
e.2.	Respect patient's rights and involve their caretakers in management decisions.
e.3.	Understand and respect the different cultural beliefs and values in the community they serve.
e.4.	Recognize the important role played by other health care professions in patient's management.
e.5.	Be aware of and understand the national code of ethics issued by the Egyptian Medical Syndicate • لائحة آداب المهنة (الصادرة من نقابة الأطباء)
e.6.	Counsel patients and families suffering from different conditions.
e.7.	Recognize one's own limitations of knowledge and skills and refer patients to appropriate health facility at the appropriate stage.
e.8.	Ensure confidentiality and privacy of patient's information.
e.9.	Treat all patients equally, and avoid stigmatizing any category regardless of beliefs, culture, and behaviors.
e.10.	Demonstrate respect and work cooperatively with other health care professions for effective patient management.

3-PEDIATRIC COURSE

- Theoretical Topics of Pediatrics (108 hours)
- Classroom Teaching (108 hours)

A- Topics, Titles of Lectures for 5th year undergraduate students in Pediatrics

System		Title		عضو هيئة التدريس
No.	Topics			
1-	Growth and Development	1-	Normal growth	
		2-	Normal development	
		3-	Abnormal growth & development	
2-	Nutrition and Infant Feeding	1-	Normal nutritional requirements	
		2-	Nutritional assessment	
		3-	Protein energy malnutrition	
		4-	Vitamin D deficiency rickets	
		5-	Other vitamin deficiencies	
		6-	Breast feeding	
		7-	Artificial feeding and weaning	
3-	Perinatology & Neonatology	1-	Birth injuries & asphyxia	
		2-	Neonatal jaundice	
		3-	Neonatal Jaundice	
		4-	Low birth weight	
		5-	Low birth weight	
		6-	Bleeding disorders & anemia	
		7-	Hypoglycemia & IDM	
		8-	Respiratory distress & cyanosis of newborn	
4-	Preventive Pediatrics	1-	Vaccinations schedule in Egypt	
		2-	Teratogenic agents	
5-	Genetics & Dysmorphology	1-	Modes of inheritance	
		2-	Dysmorphic disorders	
		3-	Prevention and prenatal diagnosis of genetic disorders	
		4-	Mental retardation	
6-	Nephrology	1-	Common manifestations of renal diseases in children.	
		2-	Acute glomerulonephritis	
		3-	Nephrotic syndrome	
		4-	Urinary tract infection	
		5-	Acute Renal failure	
7-	Cardiovascular system	1-	Manifestations of cardiovascular diseases in children	
		2-	Acyanotic CHD	
		3-	Cyanotic congenital heart disease	
		4-	Rheumatic fever	
		5-	Rheumatic valvular heart disease	
		6-	Heart failure	
		7-	Common arrhythmias, SABA & hypertension	

Topics, Titles of Lectures

System		Title		عضو هيئة التدريس
No.	Topics			
8-	Respiratory System	1-	URTI: Rhinitis, pharyngitis tonsillitis adenoiditis, otitis media	
		2-	LRTI: Laryngitis , epiglottitis, trachitis	
		3-	Acute bronchiolitis	
		4-	Air and fluid in pleural space	
		5-	Bronchial asthma	
		6-	Wheezy chest	
		7-	Pneumonia	
9-	Hematology / Oncology	1-	Actiology & diagnosis of anemias	
		2-	Haemolytic anemias	
		3-	Other types of anemias	
		4-	Purpura	
		5-	Hemophilia	
		6-	Leukemia	
		7-	Lymphoma	
10-	Infections	1-	Common bacterial infections	
		2-	Common bacterial infections	
		3-	Common exanthematous infections	
		4-	Other viral infections & parasitic infestations	
		5-	FUO	
		6-	T.B.	
11-	Endocrinology	1-	IDDM	
		2-	IDDM	
		3-	Congenital hypothyroidism	
		4-	Growth disorders & short stature	
12-	Pediatric emergencies	1-	Basic life support	
		2-	Cardio-pulmonary resuscitation	
		3-	Seriously ill child and shock	
		4-	Coma	
		5-	Respiratory emergencies	
		6-	Metabolic emergencies	
13-	Gastrointestinal diseases & Hepatology	1-	Fluid therapy & G.E.	
		2-	Neonatal cholestasis	
		3-	Acute hepatitis	
		4-	Chronic hepatitis	
		5-	Liver cirrhosis	
14-	Neurology	1-	Floppy infant	
		2-	Seizure disorders	
		3-	Cerebral palsy	
		4-	Macrocephaly & hydrocephalus	

B-Title of clinical rounds for 5th year students in pediatrics

No	Title	عضو هيئة التدريس
1.	Introduction to Normal child	
2.	History taking	
3.	General examination	
4.	Protein energy malnutrition	
5.	Rickets	
6.	Examination of newborn	
7.	Neonatal Jaundice	
8.	Neonatal resuscitation	
9.	Common neonatal Problems	
10.	Integrated management of childhood illness	
11.	Integrated management of childhood illness	
12.	Integrated management of childhood illness	
13.	Integrated management of childhood illness	
14.	Down syndrome	
15.	Acute glomerulonephritis	
16.	Nephrotic syndrome	
17.	Cardiovascular assessment	
18.	Rheumatic fever- Chorea	
19.	Rheumatic valvular Heart disease	
20.	Congenital acyanotic heart disease VSD, ASD,PDA	
21.	Congenital acyanotic heart disease COA,PS,AS	
22.	Congenital cyanotic heart disease	
23.	Chest examination	
24.	LRTI: Bronchiolitis & Pneumonia	
25.	Wheezy Chest	
26.	Bronchial asthma	
27.	Pleural disease: Effusion,pneumothorax	
28.	Chronic Hemolytic Anaemia	
29.	Bleeding Tendency: Purpura	
30.	Bleeding Tendency: Haemophilia	
31.	Acute leukemia	
32.	Lymphoma	
33.	Gastro-enteritis & dehydration	
34.	Common pediatric infections Fever with rash	
35.	Congenital Hypothyroidism	
36.	Short stature	
37.	Abdominal examination	
38.	Hepatosplenomegaly	
39.	Chronic liver disease .	
40.	cirrhosis & ascites	
41.	Neurological examination	
42.	Cerebral palsy & floppy infant	
43.	Macrocephaly: Hydrocephalus	
44.	Basic life support	
45.	Diagnostic aids: (x-ray / CT)	

46.	Diagnostic aids: (x-ray / CT)	
47.	Diagnostic aids: (x-ray / CT)	
48.	Diagnostic aids: CBC	
49.	Diagnostic aids: Bleeding Profile	
50.	Diagnostic aids: ABG	
51.	Visual diagnosis	
52.	Visual diagnosis	
53.	Case scenarios	
54.	Case scenarios	

Attendance

	Number	Percent
Lectures		
Clinical rounds		
Total		

5 -ASSESSMENT SCHEDULE:

- **TERM EXAMINATION:** Takes place at the end of each clinical term. This is in the form of an OSCE exam and MCQ exam.
 - OSCE cycle is 20 stations, ten stations are for clinical skills (4 marks each), the other ten are for diagnostic tools, audiovisual materials, skills lab, IMCI scenario, and problem solving .
- **FINAL EXAMINATION:** at the end of the academic year for all students.

Weighting of Assessments

Examination		Mark	percent
Term Examination			
	OSCE	90	18
	Logbook activities	10	2
Final examination			
Theory			
	Essay paper	150	50
	MCQ	100	
Practical			
	Clinical cases	60	12
	OSCE	50	10
	Oral	40	8
Total		500	100

- The minimum passing score is 300 marks provided that at least 30% (45 marks) are obtained in the essay paper
- Final grades are:
 - EXCELLENT $\geq 85\%$
 - VERY GOOD 75- <85%
 - GOOD 65- <75% and
 - PASS 60 -<65%.

Student Activities

A-Cases presented by student

No.	Date	Title	Teaching Staff
1			
2			
3			
4			
5			

CASE-1

-Personal history:

-Complaint:

-Present history:

-Past history:

-Dietetic history:

-Developmental history:

-Obstetric history:

-General Examination

-Regional Examination:

-Head & neck:

-Chest examination:

-Heart examination:

-Abdominal examination:

-Neurological examination:

-Provisional Diagnosis:

-Differential diagnosis:

-Investigations & Management:

CASE-2

-Personal history:

-Complaint:

-Present history:

-Past history:

-Dietetic history:

-Developmental history:

-Obstetric history:

-General Examination

-Regional Examination:

-Head & neck:

-Chest examination:

-Heart examination:

-Abdominal examination:

-Neurological examination:

-Provisional Diagnosis:

-Differential diagnosis:

-Investigations & Management:

CASE-3

-Personal history:

-Complaint:

-Present history:

-Past history:

-Dietetic history:

-Developmental history:

-Obstetric history:

-General Examination

-Regional Examination:

-Head & neck:

-Chest examination:

-Heart examination:

-Abdominal examination:

-Neurological examination:

-Provisional Diagnosis:

-Differential diagnosis:

-Investigations & Management:

B-Research

-Title:

-Supervisor:

-Type of presentation:

- Essay
- Power point

-Summary:

-Conclusion:

-Assessment:

Field Study

- Title:

-Supervisor:

-Methods:

-Results:

-Conclusion:

-Assessment:

C-Bedside Teaching

No.	Date	Title/Cases	Signature
1			
2			
3			
4			
5			
6			
7			
8			