



## COURSE SPECIFICATION

### MSc Family Medicine – Pediatrics

#### Faculty of Medicine- Mansoura University

- Administrative information

(1) Programme offering the course.	MSc Family Medicine (FAM 500)
(2) Department offering the programme.	Pediatric Department
(3) Department responsible for teaching the course.	Pediatric Department
(4) Part of the programme.	2 <sup>nd</sup> part – Family Medicine
(5) Date of approval by the Department's council	25/5/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2011
(7) Course title.	Pediatrics
(8) Course code.	FAM 509
(9) Total teaching hours.	195 hrs

- Professional information

(1) **Course Aims.**

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

To provide the student with appropriate knowledge, essential skills and proper attitude which enable him/her to do efficient and competent communication, diagnosis and proper management of common pediatric medical problems from birth to adolescence and for primary care of health and prevention of infectious diseases.

## **(2) Intended Learning Outcomes (ILOs):**

On successful completion of the course, the candidate will be able to:

### **A. Knowledge and understanding**

- A1- Describe normal and abnormal growth and development .
- A2- Describe nutritional requirements of infants, children and nutritional problems.
- A3- Define rules of successful breast feeding and management of its difficulties.
- A4- Describe common genetic diseases and concepts of genetic counseling.
- A5- List the primary vaccinations.
- A6- Mention common pediatric diseases and their causation .
- A7- Describe methods of diagnosis, investigations of common pediatric diseases.
- A8- Describe principles management of common pediatric diseases.
- A9- Identify principles of care of preterm and term babies.
- A10- Assess and classify infants and children in the program of IMCI.

### **B. Intellectual skills**

- B1- Interpret symptoms and signs of children disease to reach proper diagnosis and differential diagnosis.
- B2- Formulate appropriate management plans for individual patient.
- B3- Make decision using appropriate problem solving skills.
- B4- Interpret investigations reports concerning the most common Pediatric problems.
- B5- Utilize effective methods for rationalizing drug administration for essential drugs available in family medicine practice.
- B6- Formulate practice development programs.
- B7- Perform medical research about specified medical problems.

***C. Professional skills***

- C1- Check vital signs in children different age groups.
- C2- Assess physical and mental development.
- C3- Assess nutritional status.
- C4- Recognize different neonatal and children emergencies.
- C5- Construct a proper history taking
- C6- Perform a adequate clinical examination and identify clinical signs.
- C7- Interpret patients data in an organized and informative manner.

***D. Communication and transferable skills:***

- D1- Communicates effectively with children and their families.
- D2- Demonstrate appropriate profession attitude and behavior in different practice situation.
- D3- Use information and communication technology in the field of practice.
- D4- Present information clearly in written electronic and oral forms..
- D5- Work effectively as a team leader, and be willing to consult colleagues when appropriate.
- D6- Conduct self-audit and respond positively to criticism.
- D7- Identify his own strengths, weakness and learning needs and be prepared to continuous medical education.

**(3) Course content:**

**- Theoretical and clinical training (3 credit hrs):**

**Second Semester**

<b>Subjects</b>	<b>Lectures</b>	<b>Clinical</b>	<b>Laboratory</b>	<b>Field</b>	<b>Total Teaching Hours</b>
Immunization.	1	0		10	11
IMCI.	1	3		20	24
Normal growth.	1	0		5	6
Normal development.	1	0		5	6
Down syndrome.	1	1			2
Genetic Counseling	2	2			4
Neonatal jaundice.	2	0			2
Neonatal cyanosis.	1	0			1
Birth injuries.	1	0			1
Nutritional assessment	2	0		10	12
Breast feeding	1	2		10	13
Nutritional disorders	1	2			3
<b>Total</b>	<b>15</b>	<b>10</b>		<b>60</b>	<b>85</b>

### Third Semester

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
Common bacterial infections	2	0			2
Common viral infections	2	0			2
Acute glomerulonephritis	1	1			2
Nephrotic syndrome	1	1			2
Urinary tract infection	1	0			1
Rheumatic fever	1	2			3
congenital heart diseases	2	2			4
Diagnosis of anemia	1	0		5	6
Chronic hemolytic anemia	1	1		5	7
Bleeding tendency	2	2		5	9
Acute leukemia	1	1		5	7
<b>Total</b>	<b>15</b>	<b>10</b>		<b>20</b>	<b>45</b>

### Fourth Semester

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
Acute bronchiolitis and wheezy chest	1	1		10	12
Stridor and FB	1	1		10	12
Bronchial asthma	2	1			3
Juvenile diabetes	2	0		10	12
Congenital hypothyroidism	1	1			2
Short stature	1	1			2
Acute hepatitis	1	0			1
Chronic hepatitis and complications	2	2			4
Basic life support	1	1		10	12
Metabolic disorders	1	0			1
Epilepsy	1	1			2
Cerebral palsy	1	1			2
<b>Total</b>	<b>15</b>	<b>10</b>		<b>40</b>	<b>65</b>

- **Log book activities and other activities:**

These activities include attendance of :

- Grand round meetings.
- Scientific seminars & thesis discussion
- Conferences
- Training courses and workshops

**(4) Teaching methods:**

- 4.1: lectures and scientific seminar
- 4.2: Clinical Practice under supervision
- 4.3: Clinical demonstrations, practice of skills, and discussions during grand rounds and case presentation.
- 4.4: Training courses.
- 4.5: Self learning

**(5) Assessment methods:**

- 5.1:...Written. (Essay). for assessment of..... (knowledge, intellectual skills )
- 5.2:... MCQ ..... for assessment of.....(knowledge, intellectual skills)
- 5.3:... OSCE ... .. for assessment of.....(knowledge, intellectual, practical skills and transferrable)

Assessment schedule: Semester & Final Exam.

Percentage of each Assessment to the total mark.

Written exam.....120 (Final Exam, Short essay, 2 hours)

OSCE : .....150 (6 Clinical stations )

Semester MCQ:.....30 (10 marks for every semester)

Total marks .....(300)

Other assessment without marks.

**(6) References of the course.**

- 6.1: Lecture notes
- 6.2: Hand books Department book.....
- 6.3: Text books....Nelson Textbook of Pediatrics
- 6.4: Websites:...www.google.com www.pubmed.com.....
- 6.5: Others:.....

**(7) Facilities and resources mandatory for course completion.**

- **LECTURE HALLS:** Two halls for lecturers are available at Mansoura University Children's Hospital (MUCH). The hall is equipped with white board, data show, and computer.
- **CLINICAL ROUNDS HALLS:**  
Six halls for clinical rounds are available at Mansoura University Children Hospital (MUCH). Computer and AV aids facilities are available with prior arrangement.
- **LIBRARY:**  
Library is located on the 4th floor of the Faculty of Medicine, Mansoura University.
- **FACILITIES FOR TUTORS**  
In addition to the library on 4th floor of the Faculty of Medicine, Mansoura University, there is a specialized pediatric library at MUCH (Professor Mohammad Hafez's Library).  
The offices of all staff at MUCH is equipped with computers and high speed internet connection.  
International databases are available through the website of the university (www.mans.edu.eg)



- **CLINICAL FACILITIES:**

- Six general pediatrics 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.

- Emergency service available through the emergency department of MUCH

- **SKILLS LAB:**

Paediatric resuscitation manikins for :

- Neonatal resuscitation.
- Basic life support.

**Course coordinator: Dr. Ahmed Darwish**

**Head of the department: Prof. Ali Shaltout**

**Date:**