



Quality Assurance Unit



Tanta University
Faculty of Medicine

Department of Pediatrics

Course Specifications

Pediatrics fifth Year

2011-2012

Pediatrics fifth Year Course specifications

University: T anta

Faculty: Medicine

Department: Pediatrics

1- Basic Information

- **Course title: Pediatrics**
- **Code: MED 05:02**
- **Department offering the course: Pediatrics Department**
- **Program (s) on which this course is given: M.B.B.Ch**
- **Departments offering the program: All the departments of the faculty of medicine**
- **Academic year/ Level : 5th year of M.B.B.Ch**
- **Semester in which the course is given:**
- **Date of specification approval: *This document has been approved by:***
- **The Board of Department of Pediatrics on: July 2011**
- **The Internal Quality Assurance & Accreditation Center: 14th September2011**
- **Council of the Faculty of Medicine, Tanta University on:21/9/2011**
- **Credit Hours: NA Lecture: 108 hours**
- **Tutorial and Practical: 219 hours Total: 317 hours**

2- Overall Aim of The Course

- To support acquisition of basic knowledge of normal and abnormal growth and development (physical, physiologic, psychosocial), and its clinical application from birth through adolescence
- To enable students to provide basic health care for individuals in the Pediatric age group (neonates, infants, children and adolescents)
- To provide students with an appropriate background covering the common and important Pediatric emergencies and diseases.
- To enable the development and application of appropriate professional attitudes, communication and problem solving skills.

3- Intended Learning Outcomes of the Course (TLOs)

a- Knowledge And Understanding

By the end of the course the student should be able to:

- a1- Describe normal growth and development during infancy, childhood and adolescence.
- a2- Describe appropriate management for abnormalities affecting growth and

development.

- a3- Demonstrate an understanding of the impact of congenital and inherited diseases on children and their families.
- a4- Determine the nutritional requirements and the most common nutritional disorders affecting infants and children, and describe appropriate management for disorders.
- a5- Describe the indications, contraindications, administration and precautions of the immunizations necessary for infants and children according to the national schedule and the condition of the child.
- a6- Recognize the most important behavioral and social issues during childhood and adolescence.
- a7- Describe appropriate measures for health promotion as well as prevention of disease and injury in infants, children and adolescents.
- a8- Cite the management priorities for different neonatal and Pediatric emergencies.
- a9- Describe the causes and pathogenesis of the most important neonatal and Pediatric problems.
- a10- Describe the clinical symptoms and signs of the most important neonatal and Pediatric problems.
- a11- Identify the appropriate diagnostic tools (and describe how they would be interpreted) and therapeutic lines for the most important neonatal and Pediatric problems.

b- Intellectual Skills

By the end of the course the student should be able to:

- b1- Interpret the most important symptoms and signs of disease in Pediatric patients.
- b2- Formulate appropriate management plans for individual patients presenting with the most common Pediatric disorders.
- b3- Make decisions regarding common clinical situations using appropriate problem solving skills.
- b4- Interpret X ray ,echo-Doppler and CT films, blood gas and blood picture reports covering the most important Pediatric conditions.

c- Professional and Practical Skills

By the end of the course the student should be able to:

- c1- Check vital signs in neonates, infants, children and adolescents.
- c2- Assess physical and mental development in neonates, infants, children and adolescents according to standard milestones and recognize abnormalities.
- c3- Perform appropriate clinical and anthropometric assessments for the nutritional status of infants and children.
- c4- Recognize different neonatal and Pediatric emergencies.
- c5- Construct a proper history for a patient in the Pediatric age group.
- c6- Perform an adequate clinical examination for a patient in the Pediatric age group and identify deviations from normal.

c7- Interpret patient's data in an organized and informative manner.

d- General and Transferable Skills

By the end of the course the student should be able to:

d1- Communicate effectively with children, adolescent and their families.

d2- Demonstrate appropriate professional attitudes and behaviors in different practice situations.

d3- Present patient' data in an organized and informative manner.

4- Contents

Subject	Total	Lectures	Practical
Growth and Development	15	5	10
Nutrition and Infant Feeding	30	10	20
Perinatology/Neonatology	30	10	20
Social and Preventive Pediatrics	20	5	15
Genetics and Dymorphology	12.5	2.5	10
Nephrology	15	5	10
Cardiovascular System	22.5	7.5	15
Respiratory System	22.5	7.5	15
Hematology/Oncology	22.5	7.5	15
Infectious and Parasitic Diseases	22.5	7.5	15
Endocrinology and Metabolism	10	5	5
Neuromuscular Disorders	17.5	7.5	10
Gastroenterology and Hepatology	27.5	7.5	20
Pediatric Emergencies	25	10	15
Behavioral Pediatrics	7.5	2.5	5

5- Teaching and Learning Methods

5.1- Formal Lectures

5.2- Clinical and small group sessions: (Clinical demonstrations, practice of skills, and discussions)

- General Pediatric inpatient wards teaching.
- Outpatient clinic teaching.
- Emergency department teaching.
- Hematology unit teaching.
- G.I.T. unit teaching.
- Neonatal unit teaching

5.3- Facilities Required for Teaching and Learning

- Lecture hall
At building of faculty of medicine. Overhead, slide projectors and data show are available.
- Small group classes:
 - a- Intensive care ward .

- b- Outpatient clinic teaching rooms (3 rooms)
- c- Emergency department.
- d- Hematology unit teaching room(1 rooms)
- e- G.I.T. unit teaching room(1 rooms)
- f- Neonatal unit teaching room(1 rooms)
- g- Inpatient department (3 rooms)
 - Library:
3rd floor, Tanta university hospital, inpatient Pediatric department
 - Clinical facilities:
 - a- General & specialized outpatient clinics
 - b- General & specialized inpatients units
 - c- Emergency unit.
 - Skills Lab/Models:
 - a- Neonatal resuscitation model
 - b- Infant resuscitation model

6- Student Assessment

A) Methods used

1. Written examination to assess knowledge and understanding (a1-11)
2. Oral examination to assess knowledge and understanding (a1-11), (b1-4), (c1-7)
3. Practical examination to assess clinical, practical, intellectual and general skills (b1-4, c1-7, d1-3).

B) Assessment schedule

- Assessment 1: End round exam after 12 Weeks
- Assessment 2: Log book during clinical round course
- Assessment 3: Final written exam At the end of the year
- Assessment 4: Oral exam at the end of the year
- Assessment 5: Practical exam at the end of the year

C) Weighing of assessments

End round Examination	20 %
Final-term Written Examination	50 %
Oral and Practical Examination	30%
Semester Work	
<u>Other types of assessment</u>	
Total	100 %

Any formative only assessments

E) Attendance criteria:

1. Practical attendance
2. Practical books

F) Grading System

Examination	Topic	Description	Marks
End round exam	Oral,		20
	ASCE		15
	Short case		25
	Tools		40
Final Examination	Written	Paper I General	150
	MCQ & assay	PaperII Special	100
	Oral exam		30
	Tools		60
	OSCE		25
	Long case		35
Total			500

7- List of References

7.1 Course Notes (By Staff Members of Tanta Pediatric Department):): available for students in department of pediatrics.

- Department book.
- Clinical Pediatrics also available for students.
- Checklists for clinical examination

7.2 Essential Books (Text Books)

- Nelson's "Essentials of Pediatrics"(available from bookshops)
- Illustrated textbook of pediatrics(Tom lissure)

7.3 Periodicals and web sites:

- WWW.emedicine.com
- WWW.sciencedirect.com

8-Facilities for learning and teaching resources

- Lecture rooms
- Round rooms
- Accessibility to hospital wards, clinics and emergency department
- Audio-visual teaching equipments (Computer, Projector, Video ...etc)
- Models and mannequins
- Video tapes, scientific pictures archives.
- Radiology collections & archives.

- Head of Department:

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- Council of the Faculty of Medicine, Tanta University on:

Course Specifications: Pediatrics fifth Year, 2011-2012

Course coordinator

Name-----Islam EL Hawary -signature....._Date.....

Head of department

Name... Prof Dr/ ADEL ERFAN .signature.....Date.....

Intended learning outcomes of the course (A)

**Academy / University: Tanta
Faculty: Medicine .
Department: Pediatrics**

The name of course	Pediatrics 5th Year
Code of course	<i>TMED 05: 02</i>

Topics of the course	Week Study	Knowledge & Understanding	Intellectual Skills	Professional Skills	General transferable skills
Growth and Development	1st	a1, a2, a10, a11	b1, b2	c2	d1, d2, d3
Nutrition and Infant Feeding	2nd	a4, a9, a10, a11	b1, b2, b3, b4	c1, c3	d1, d2, d3
Perinatology/Neonatology	3rd	a8, a9, a10, a11	b1, b2, b3, b4	c1, c4, c5, c6, c7	d1, d2, d3
Social and Preventive Pediatrics	2nd	a5, a7, a9, a10, a11	b1, b2	c1, c5, c6, c7	d1, d2, d3
Genetics and Dymorphology	4th	a3, a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Nephrology	4th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Cardiovascular System	5th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Respiratory System	6th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Hematology/Oncology	7th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Infectious and Parasitic Diseases	8th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Endocrinology and Metabolism	9th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Neuromuscular Disorders	10th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Gastroenterology and Hepatology	11th	a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3
Pediatric Emergencies	12th	a8, a9, a10, a11	b1, b2, b3, b4	c1, c4, c5, c6, c7	d1, d2, d3
Behavioral Pediatrics	10th	a6, a9, a10, a11	b1, b2, b3, b4	c1, c5, c6, c7	d1, d2, d3

Course coordinator :

Head of the department: prof. dr. Adel Erfan
