

Course Specifications

1- Basic information

Code :

Title : Subspecialty
(Seminars in pediatric
Medicine) 2nd term

Level : 2nd doctoral program

Credit hours : -

Theoretical :48

Practical :-

Program(s) on which the course is given : Doctoral program

Major or minor element of program : Major

Department offering the program : Pediatric nursing

Department offering the course : Pediatric nursing

Date of specification approval : 16/2/2016

Academic year : 2020-2021

- 2- This course aims to provide the doctorate student with the advanced Pediatric knowledge that helps to acquire satisfactory level of update knowledge in the area of pediatric medicine. Provide active participation in pediatric community needs assessment and problems identification. Introduce candidates to the basic of scientific research that add new knowledge to the pediatric field.

3- Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding :

By the completion of this course the student should be able to

- a1- Describe common laboratory and diagnostic tests used in the diagnosis and management of various childhood medical conditions.
- a2- Identify various factors associated with different diseases in infant and children from birth to adolescence.
- a 3 Mention common and recent medications and treatments used for various medical problems.
- a 4 Describe recent advances in prevention of pediatric diseases.
- a5 Recognize the recent advances in biostatistics and clinical epidemiology related to pediatrics.

b- Intellectual Skills

By the completion of this course the student should be able to

- b1- Interpret data acquired through history taking to reach a provisional diagnosis for pediatric problems.
- b2- Distinguish different medical childhood illnesses based on the signs and symptoms associated with them
- b 3 Assess Risk in professional practices in the field of pediatrics.
- b 4 Formulate scientific papers in the area of pediatrics.
- b 5 Criticize researches related to pediatrics.

c- Professional and practical skills

- c1-
- c2- The course has no practical hours
- c3-
- c4-
- c5-
- c6-

d- General and transferable skills

By the completion of the course the student should be able to

- d1- Communicates effectively by different types of effective communication.
- d2- use appropriate computer program packages and the internet to serve the development of professional practice
- d3- Teach others and evaluate their performance.
- d 4- Assess him-self and identify his personal learning needs.
- d 5- Use different sources for information and knowledge.
- d 6 Work coherently and successfully as a part of a team and as a team leader.
- d 7 Manage Scientific meetings according to the available time.

4- Course Contents:

Week	Topic	No. of hours		Tutorial/Practical
		Lecture	practical	
1-3	Immunology <ul style="list-style-type: none"> • Evaluation of the immune System • Evaluation of Suspected Immunodeficiency • Immunodeficiency • Autoimmune disorders • Allergic Disorders 	9		The course has no practical hours

4	Neurologic Disorders <ul style="list-style-type: none">• Encephalopathies	3	-	
5	Genetic Disorders of Metabolism <ul style="list-style-type: none">• Inborn Errors of Metabolism	3	-	
6-8	Cancer and Benign Tumors <ul style="list-style-type: none">• Epidemiology of Childhood and Adolescent Cancer• Molecular and Cellular Biology of Cancer• Principles of Diagnosis• Principles of Treatment• The Leukemias• Lymphoma• Brain Tumors in Childhood• Neuroblastoma• Neoplasms of the Kidney	9	-	
9	Gastrointestinal Disorders <ul style="list-style-type: none">• Gastroesophageal Reflux Disease• Viral Hepatitis	6	-	
10-12	Cardiology <ul style="list-style-type: none">• Congenital heart diseases	9	-	
13	Respiratory disorders: Chronic Severe Respiratory Insufficiency <ul style="list-style-type: none">• Neuromuscular Diseases• Congenital Central Hypoventilation Syndrome• Long-Term Mechanical Ventilation	3	-	
14-15	Neonatology Infections of the Neonatal Infant <ul style="list-style-type: none">• Pathogenesis and Epidemiology• Modes of Transmission and Pathogenesis• Immunity• Etiology of Fetal and Neonatal Infection• Epidemiology of Early- and Late-Onset Neonatal Infections• Clinical Manifestations of Transplacental Intrauterine	6		

	Infections <ul style="list-style-type: none"> • Diagnosis • Treatment • Complications and Prognosis • Prevention 			
	Final exam			

5.1 Teaching and Learning Methods

Seminars

Semester work (Self learning via research papers presentation dictation report writing)

Electronic Learning

6- Student Assessment :

A- Assessment Method

A.1 Semester work

A.2 Written Examination

B- Time Schedule

Semester work	Week : 16 weeks
Oral Examination	Week :
Final - term Examination	Week :

C- Grading system

Written Examination % 80

Semester work % 20

7- List of References

A - Course Note : Not applicable

B - Required Books (Text Books)

- Marcdante KJ, Kliegman HB, & Behrman RE.(2011): Nelson Essentials Of Pediatrics (6th Ed.). Saunders Co., Canada.
- Kliegman RM, Jenson HB, Behrman RE, and Stanton BF (Eds) (2007). Nelson Textbook of Pediatrics, 18th ed. Saunders Elsevier Co., Philadelphia.

C - Recommended Books

- Ghai O, Paul VK and Bagga A (Eds) (2009): Essential Pediatrics, 7th ed. CBS Publishers and Distributors Co., New Delhi.
- Bilotta KA (Ed.) (2009): Nurse's Quick Check Diseases, 2nd ed. Walters Kluwer

Health | Lippincott Williams and Wilkins Co., London.

- Burg FD, Ingelfinger JR, Polin RA, and Gershon AA (Eds). (2006): Current Pediatric Therapy, 18th ed. Saunders Elsevier Co., Pennsylvania.
- WHO (2000): Management of the Child with A Serious Infection or Severe Malnutrition- Guidelines for Care at the First Referral Level in Developing Countries. Hongkong.

D - Periodicals, Web Sites, ...etc

- emedicine - medscape pediatrics: -
http://emedicine.medscape.com/pediatrics_general
- American Academy of Pediatrics www.aap.org

8- Facilities required for teaching and learning

Course Coordinator: Prof.Dr. Mervat Abdallah Hesham

Head of Department Prof. Dr. Amal Mohamed El-Dakhakhny

Date: / /