

## Course Specification of Master degree Pediatrics

University: Al Azhar  
 Faculty: Medicine  
 Department: Pediatrics

### 1- Data of the course:

<b>Code of the course:</b> 700-Pedia-Ms	<b>Title of the course:</b> Master degree Pediatrics 2 <sup>nd</sup> part	<b>Duration:</b> 24 months
<b>Specialty:</b> Pediatrics	Number of teaching units: 6 units	Lectures: <b>4</b> hours/ week Clinical: <b>4</b> hours/week. 8hours/ week subspeciality rotations. <b>4</b> hours/week audited thesis

<b>2- Objectives o the course:</b>	<p>1/1. To provide competencies, knowledge and skills pertaining to pediatrics that are required to be practiced in the community and at all levels of health care system.</p> <p>2/2. To make the candidate familiar with the fields of Pediatrics subspecialties to enable them to participate as team members in the care of patients with acute, chronic and complex disorders.</p> <p>1/3. To recognizes the health needs of infants, children and adolescents and carries out professional obligations in keeping with principles of National Health Policy and professional ethics;</p> <p>1/4. To be aware of the contemporary advances and developments in medical sciences as related to child health</p> <p>1/5. To continue to strive for excellence by continuing medical education throughout his other professional career.</p> <p>1/6. To enable the development and application of appropriate professional attitudes, communication and problem solving skills.</p> <p>1/7. Be competent in handling social and ethical issues related to the patient and his/her family</p> <p>1/8. To develop competence in basic concepts of research methodology and epidemiology</p> <p>1/9. To be Able to take the lead and accept leadership from other members of the multi-disciplinary team</p> <p>1/10. To play the assigned role in the implementation of national health programs, effectively and responsibly.</p>
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### 3- ILOs

<b>A- Knowledge and understanding:</b>	<p>A.1. Identify the importance of child health in the context of the health priority of the country.</p> <p>A.2. Mention basic and update knowledge as regards child development and preventive pediatrics.</p> <p>A.3. Demonstrate and understanding the impact of congenital and inherited diseases on children and their families.</p> <p>A.4. Determine the nutritional requirements and the most common nutritional disorders affecting infants and children, and describe appropriate management for disorders.</p> <p>A.5. Identify the unique features of neonatal immunity and pathogenesis of perinatal/ neonatal infection.</p> <p>A.6. Describe the causes , pathogenesis and clinical feature of the common neonatal and Pediatric problems.</p> <p>A.7. Identify the appropriate diagnostic tools and therapeutic lines for the common neonatal and Pediatric problems.</p> <p>A.8. Cite the management priorities for different neonatal and Pediatric life threatening conditions.</p> <p>A.9. Differentiate different infectious disorders in children together with update management outline.</p> <p>A.10. Identify the most important behavioral and social issues during childhood and adolescence.</p> <p>A.11. Identify basics of ethics, medico legal aspects of health problems, malpractice and common medical errors.</p> <p>A.12. Describe appropriate diagnosis and management of chronic problems that require tertiary care</p> <p>A.13. Demonstrate the basics of genetics and its influence on diseases.</p> <p>A.14. Mention physiologic and pathologic backgrounds of different pediatric problems and how to use statistics in medical practice and researches.</p>
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<p><b>B- Intellectual Skills:</b></p>	<p>B.1. Make decisions regarding common clinical situations using appropriate Problem solving skills.</p> <p>B.2. Construct appropriate management strategies for patients with common Diseases, both acute and chronic, including medical, psychiatric, and Surgical conditions.</p> <p>B.3. Integrate the results of history, physical and laboratory test findings into a Meaningful diagnostic formulation.</p> <p>B.4. Retrieve, analyze, and evaluate relevant and current data from literature, Using information technologies and library resources.</p> <p>B.5. Recognize and cope with uncertainty that is unavoidable in the Practice of medicine by accepting and reacting to uncertain situation through proper counseling, consultation and referral.</p> <p>B.6. Classify factors that place individuals at risk for disease or injury, to Determine strategies for appropriate response.</p> <p>B.7. Involvement into research and scientific methods through:</p> <ul style="list-style-type: none"> <li>a. Formulation of research questions that is pertinent to medicine.</li> <li>b. Recognition of the importance of precision in collecting, analyzing and interpreting medical data.</li> <li>c. Integrate basic biomedical science with clinical care.</li> </ul>
<p><b>C- Professional Skills:</b></p>	<p><i>By the end of the course, the postgraduate students should be able to:</i></p> <p>C.1 Understand and respect the different cultural beliefs and values in the community they serve.</p> <p>C.2. Take focused history according to the child’s complaint.</p> <p>C.3. Perform clinical examination of different systems orderly, fluently and competently and be skillful in clinical sign detection.</p> <p>C.4. Recognize criteria of life threatening conditions in children and to initiate appropriate management.</p> <p>C.5. Decide which patients may be managed on a general in patient service and which require critical care.</p> <p>C.6. Provide family-centered patient care that is culturally effective and developmentally and age appropriate.</p> <p>C.7. Perform the techniques of neonatal and pediatric resuscitation and demonstrate competency in basic and advanced life - support measures.</p> <p>C.8. Perform efficiently different invasive maneuvers as endotracheal, chest tubes, intraosseous, umbilical and central lines.</p> <p>C.9. Interpret different diagnostic tools such as radiological, ECG, and other laboratory investigations and how to implement these data in the diagnosis, management and follow up of cases.</p> <p>C.10. Perform proper counseling of patients and families.</p> <p>C.11. Function as a productive member of a team engaged in health care, research and education.</p>

<p><b>D- General Skills:</b></p>	<p>D.1. Be prepared for the lifelong learning needs of the medical profession.</p> <p>D.2. Use information and communication technology effectively in the field of medical practice.</p> <p>D.4. Retrieve, manage, and manipulate information by all means, including electronic means.</p> <p>D.5. Present information clearly in written, electronic and oral forms.</p> <p>D.6. Communicate ideas and arguments effectively.</p> <p>D.7. Analyze and use numerical data including the use of simple statistical methods.</p> <p>D.8. Manage time and resources effectively and set priorities.</p> <p>D.9. Work efficiently within the health care team.</p> <p>D.10. Solve problems related to patients, work management and among colleagues.</p> <p>D.11. Cope with changing work environment.</p> <p>D.12. Apply safety and infection control measures during practice.</p> <p>D.13. Evaluate their work and that of others using constructive feedback.</p>																																								
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<p><b>5- Methods of teaching:</b></p>	<p>1- Lectures</p> <p>2- Independent learning</p> <p>3- Clinical rounds</p> <p>4- Scientific day monthly</p>
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<b>6- Methods of teaching of handicaps</b>	Not present
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7- Students evaluation and assessment:

<b>A- Method of assessment:</b>	1- Written Exam ( MCQ, Short essay, problem solving) 2- Clinical Exam (Clinical round, OSCE) 3- Oral Examination
<b>B- Time of assessment</b>	1- Final year Exam: 2 <sup>nd</sup> part pediatric Master: November and April 2- Continuous assessment through formative evaluation in the log book
<b>C- Allocated marks/Distribution</b>	

8- Teaching books, notebooks, and references:

- Books/Notebooks:	<b><i>Academic references:</i></b> <ul style="list-style-type: none"> <li>• Departmental book 2014/2015 3<sup>rd</sup> edition</li> <li>• Nelson textbook 19<sup>th</sup> edition 2012</li> <li>• Neonatal book ?</li> <li>• Pediatric ICU ? Departmental guidelines ?</li> </ul>
- References:	

**Head of the department**

Prof. Dr. Mesalam Naser

**Course Coordinator**

Prof. Dr. Ahmad Elsawah

Prof. Dr. Mohsen Elkaie