Course Specifications
Pediatric Nursing
Master Program

1- Basic information

Code: 411   **Title**: Pathology   **Level: 2nd** Semester

Theoretical :30   **Practical :--------------**

Program(s) on which the course is given   : Pediatric Nursing
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- Overall aim of Course:
This course of pathology aimed to equip the master student with the advanced knowledge, intellectual skills and attitudes related to pathophysiological changes of common pediatric health problems at different age groups

3- Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding :
By the completion of this course the student should be able to

A1- Recognize the common laboratory and diagnostic tests useful in the diagnosis of various medical problems at different age groups.

A2-Explain pathophysiological changes of common pediatric health problems at different age groups.

b- Intellectual Skills
By the completion of this course the student should be able to

B1- Compare between the anatomy and physiology of different body systems in children and adults.

B2- Differentiate between common differential diagnoses of common pediatric health problems.

B3- Locate the different medical problems in children from birth through adolescence.

c- Professional and practical skills
By the completion of this course the student should be able to
                              None

d- General and transferable skills
By the completion of the course the student should be able to

D-1 Adopt self-learning and continuous self-evaluation

D.2 Utilize interpersonal skills to communicate effectively.

D.3 Demonstrate leadership ability in conducting and managing the scientific seminars.

D.4 Use computer skills to implement course requirements

e-   **Attitude**
By the completion of the course the student should be able to
                                    Not applicable

4- **Course Contents**:

Week	Topic	No. of hours	
		Lecture	**practical**
1	**Unit (1): The anatomy and physiology of different body systems in children.** ▪ Respiratory system ▪ Urinary system ▪ Central nervous system ▪ Endocrine disorder ▪ Blood ▪ Cardiovascular system ▪ Gastrointestinal system. **Unit (2): Respiratory system disorders** 1. Pneumonia 2. Bronchial asthma	10	
2	**Unit (4): Urinary system disorders** 1. Acute Glomerulonephritis 2. Nephrotic syndrome 3. Urinary tract infection.	2	
3	**Unit (5): Central nervous system disorders** 1. Meningitis 2. Encephalitis	2	
4	**Unit (6): Endocrine disorders** Diabetes mellitus	2	
5	**Unit (7): Nutritional disorders** 1. Vitamin D deficiency (rickets) 2. Marasmus 3.Kwashirkor	4	

6	**Unit (8): Hematological disorders** 1) Disseminated intravascular coagulopathpy 2) Glucose 6 phosphate dehydrogenase deficiency 3) Leukemia	6	
7	**Unit (9): Gastrointestinal disorders** 1) Diarrhea and dehydration	2	
8	**Unit (10): Cardiovascular disorders** 1) Rheumatic fever	2	

- Teaching and learning methods :
- **5.1** Interactive lectures
- **5.2** Self- learning
- **5.3** Electronic –learning

- Student Assessment :
A- Assessment Method
- Written examination.
- Oral examination.

B- Time Schedule

At the end of the course

C- Grading system

	Score	%
Final written	60	60
Oral exam	40	40

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 ǀ 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: **Dr. Nehad Ahmed Karm**
Head of Department: **Prof. Dr. Amal Mohammed EL-Da khakhny**

Date: /   /

٤

University: Zagazig University
Faculty/Institute: Faculty of Nursing
Department: Pediatric Nursing Department

Course name	Pathology
Course code	411

Content of Course	Knowledge	Intellectual Skills	Professional skills	General skills	Attitude
Unite (1): The anatomy and physiology of different body systems in children		B1		D1,D2,D3,D4	
Unite (2): Respiratory system disorder	A1, A2	B2, B3		D1,D2,D3,D4	
Unite (4): Urinary system disorder	A1, A2	B2, B3		D1,D2,D3,D4	
Unite (5): Central nervous system disorder	A1, A2	B2, B3		D1,D2,D3,D4	
Unite (6): Endocrine disorder	A1, A2	B2, B3		D1,D2,D3,D4	
Unite (7): Nutritional disorder	A1, A2	B2, B3		D1,D2,D3,D4	
Unite (8): Hematological disorder	A1, A2	B2, B3		D1,D2,D3,D4	
Unite (9): Gastrointestinal disorder	A1, A2	B2, B3		D1,D2,D3,D4	
Unite (10): Cardiovascular disorder	A1, A2	B2, B3		D1,D2,D3,D4	