



## COURSE SPECIFICATION

**Faculty of Medicine- Mansoura University**

**(A) Administrative information**

<b>(1) Programme offering the course:</b>	<b>Postgraduate Doctorate degree of Nephrology NEPH 610</b>
<b>(2) Department offering the programme:</b>	<b>Internal medicine department Nephrology Unit</b>
<b>(3) Department responsible for teaching the course:</b>	<b>Internal medicine department Nephrology Unit</b>
<b>(4) Part of the programme:</b>	<b>Elective course</b>
<b>(5) Date of approval by the Department`s council</b>	<b>5-11-2014</b>
<b>(6) Date of last approval of programme specification by Faculty council</b>	<b>9/8/2016</b>
<b>(7) Course title:</b>	<b>Geriatric nephrology</b>
<b>(8) Course code:</b>	<b>NEPH610GN</b>
<b>(9) Total teaching hours:</b>	<b>30(2 credit hours)</b>

## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of this part of the course are as follows:

- Provide candidates with additional information about age associated structural and functional changes in the urinary system
- Provide information about risk factors and pathogenesis for CKD in the elderly and reveal the endocrinal and renal hormonal function changes occurring in the elderly

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

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

#### **A- Knowledge and Understanding**

A 1 recall the details of age-related structural and functional changes in the renal system

A 2 recognize how to assess renal function in the elderly.

A 3 recall risk factors and pathogenesis of age-related changes.

A 4 demonstrate sufficient knowledge of fluid and electrolytes changes

A 5 identify and recall renal endocrinal function changes in the elderly.

#### **B- Intellectual skills:**

B1 **Evaluate** strengths, deficiencies, and limits in one's knowledge and expertise and be able to be updated and face challenges.

B 2 solve professional problems according to available data and set learning and improvement goals.

B 3 evaluate risks involved in clinical practice.

#### **C- Professional/practical skills**

#### **D- Communication & Transferable skills**

**(3) Course content:**

**Second part: Elective courses (5th semester, module 4) only one of the following:**

Course title	Code	No of Hours/ week				Total Teaching hours	Credit hours
		Theoretical (hr)		Practical (hr)	Total weeks		
		Lecture	Seminar				
<b>Geriatric nephrology</b> Aging associated structural changes Aging associated changes in renal functions Assessment of renal function in the elderly Risk factors for CKD in the elderly Pathogenesis of age related CKD Fluid and electrolyte in aging Endocrine function and renal hormone Clinical manifestations	NEPH610GN	1	1	0	15	30	2

**(4) Teaching methods:**

**4.1: Lectures with power point presentations and discussions.**

**(5) Assessment methods:**

**Written exam (50 marks)**

As a **part of Second part exam** , 3 years from admission to the program

**Log book for assessment of the attendance**

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

**Textbooks**

- Brenner's textbook of nephrology.
- Chronic Kidney Disease, Dialysis, and Transplantation, Companion to Brenner and Rector's the Kidney (by Brian J.G. Pereira; Mohamed Sayegh & Peter R. Blake.
- Comprehensive clinical Nephrology textbook.
- Essential Atlas of Nephrology & Hypertension. Schrier, Robert W.; Cohen, A.H. (Eds.)
- Oxford textbook of medicine
- Oxford textbook of clinical Nephrology
- Shaul El-Massry textbook of nephrology.

- The Washington Manual® Nephrology Subspecialty Consult.  
Irfan A Agha, and Gopa Bhattacharyya Green

### **Periodicals**

- Advances in Chronic Kidney Disease.
- American Journal of Hypertension.
- American Journal of Kidney Diseases.
- American Journal of Physiology - Renal Physiology.
- Clinical nephrology.
- Current Opinion in Nephrology & Hypertension.
- Journal of the American Society of Nephrology.
- Kidney International.
- Nephrology, dialysis and transplantation.
- Nephron Clinical Practice.
- Nephron Physiology.

### ***Web Sites:***

- American Society of Cell Biology
- American Society of Nephrology
- American Society of Transplantation
- EDTA-ERA Educational
- National Kidney Foundation
- Renal Physicians Association
- The Nephron Information Center
- The Renal Network, Inc.
- Up-To-Date

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

Candidates and their learning are supported in a number of ways:

- Induction course introducing study skills
- Candidates logbook
- Programme Specification and Handbooks
- Extensive library and other learning resources
- Computer laboratories with a wide range of software
- Intranet with a wide range of learning support material
- MD Dissertation Supervisor

**Course coordinator:**

Prof. Mohamed Sobh (General supervisor).....

Prof. Hussein Sheashaa (Academic Guide).....

**Head of the department:**

Prof Salah Gamal.....

**Date: 5.11.2014**