



Quality Assurance Unit



Tanta University
Faculty of Medicine

Department of Physical Medicine, Rheumatology & rehabilitation

Course Specifications

**Immunology for Physical Medicine,
Rheumatology & rehabilitation,
Doctorate degree**

2015-2016

Immunology for Physical Medicine, Rheumatology & rehabilitation Doctorate Degree

Course Specifications

University: Tanta

Faculty: Medicine

*Department: Physical Medicine,
Rheumatology & Rehabilitation.*

A- Administrative Information

Course title: Immunology for Physical Medicine, Rheumatology & Rehabilitation Doctorate Degree.

Department offering the program: Physical Medicine, Rheumatology & Rehabilitation.

- **Departments responsible for the program: Physical Medicine, Rheumatology & Rehabilitation**
- **Course Code: PRR 9003**
- **Academic Level : 1ST**
- **No. of Credit/taught hours:**
theoretical: 4 & practical: 2 credit hour.
- **Authorization date of course specification: 8/11/2015**

B- Professional Information

1- Overall Course aims:

- Our course aim to offer advanced knowledge which is interdisciplinary in its approach to scientific research, reflecting the interest of our faculty and breadth of the discipline of immunology to help the graduate to move onto the rewarding and challenging professional careers.

2- Intended learning outcomes (ILOs):

a-knowledge and understanding:

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

- a.1 recognize the basic theories and principle needed in his career.

b-Intellectual skills:

- b.1 Integrate basic science of immunology related to rheumatological and autoimmune disorders

c. General transferable skills:

- c.1 Utilize the resources of information to update their knowledge.

3-Course contents:

Course title	topic	No. of lectures/week	No. of credit hours	
			theoretical	practical
	immunology	2	4	2

Detailed contents of the course topics. (Syllabus contents): it will be annexed

4-Teaching and learning methods:

- 4.1 Illustrated lectures.
- 4.2 Tutorial is scheduled and previously announced special topics from the curriculum are discussed in the tutorial.
- 4.3 Assignment to be prepared by the graduate in one of the special topic taught.

5- Student Assessment:

Log book & MCQ at the end of the semester + as a part of the final exam of first part.

6-Assessment schedule:

According to faculty rules of post graduate, 2 exams are done per year at April and October, each include written, oral and clinical exams.

Assessment	date
1- Final written : 1 paper including long & short questions	
2-Oral examination	

7- Weighing of assessments:

- MCQ exam will be done at the end 2nd semester (at the end of 15 week)

written examination	(60 degrees) 60%
Oral examination	(40 degrees) 40%
Total	100%(100 degrees)

8- List of references:

- 8.1. Textbooks:
- 8.2. Recommended books:
- 8.3 web sites

9- Other resources/ facilities required for teaching and learning to achieve the above ILOs:

- All facilities required for teaching are available.

10-We certify that all of the information required to deliver this course is contained in the above specifications and will be implemented.

The annex:

Topics of immunology

Basic immunology:

Innate immunity , acquired immunity

Lymphocytes and lymphoid tissues

Immune response

Antigen presentation and major histocompatibility complex

Immunoglobulin and immunoglobulin gene

Cytokines and chemokines

Complement and kinin

Inflammation and apoptosis

Immunomodulation

phagocytosis

Course coordinator and head of department

Name.....

Signature..... Date.....

Head of quality assurance unit:

Name.....

Signature..... Date.....