Quality Assurance Unit

Tanta University
Faculty of Medicine

Department of Ophthalmology

Course Specifications

Anatomy ,Master Degree
(Second semester)

2016-2017

University: Tanta *Faculty: Medicine* *Department: Ophthalmology*

A- Administrative Information

1- Program title: anatomy, Master Degree, second semester

2- Department offering the program: ophthalmology department

3- Department responsible for the course: ophthalmology department.

4- Course code: OPHT 8001

5- Level: 1st part

6- No. of Credit / taught hours: 2credit hours

- **Lectures: 1.5credit hours=22.5 taught hours**
- **Practical: 0.5credit hour =15 taught hours**

B- Professional Information

1 – Overall Course aims:

Our course aims to:

1) To discuss the embryology of the eye and its adnexa and the normal structure of the human eye at the level of the anatomical regions relevant to anatomical topics.
2) To correlate anatomical facts with their clinical applications to help in different surgical procedures.
3) To prepare the candidate to be a good surgeon.

2 – Intended learning outcomes (ILOs):

a- knowledge and understanding:

By the end of this program the candidate will be able to :
a1- identify The theories and principles of anatomy of the eye and embryology topics of the eye and its adnexa .

b-intellectual skills:

By the end of the course, students should be able to:
b1 -Solve the ophthalmological problems related to the anatomical structure of the eye and know how to find the solution.

c-Professional &Practical Skills:

By the end of the course, students should be able to:
c1- - Recognize gross and microscopic anatomical structures of the eye.

d-General Transferable Skills:

By the end of this program the candidate will be able to;
d1- Use various communication skills.

3-Course contents:

- **Lectures: 1.5credit hours=22.5 taught hours**
- **Practical: 0.5credit hours =15 taught hours**

Lectures:

Name of the lecture	**Taught hours**

Anatomy :	**(22.5hours)**
• Embryology of the globe and adnexa:	**(2.5h)**
-Introduction and embryology of primary and secondary optic vesicles. -Embryology of eye lid , lacrimal system, orbit and its contents(extra ocular muscles, vessels , nerves) -Embryology of cornea, sclera, embryology of zonule and crystalline lens -Embryology of uveal tract -Embryology of retina, optic nerve -Embryology of vitreous	
• Gross and minute anatomy of the anterior segment :	**(5h)**
-Cornea and sclera -Anterior chamber and its angle -Anatomy of the uveal tract -Anatomy of lens zonule and crystalline lens -Anatomy of conjunctiva, tenons capsule -Ocular blood supply	
• Anatomy of the adnexa:	**(5h)**
-Anatomy of the orbital (bones and anatomy of related sinuses, orbital fascia, orbital septum, ocularand adenxal ligament, orbital fat) - Anatomy of eye lids, related muscles(levator flap, superiors-orbicularis oculi- lid retactors) -Anatomy of lacrimal system -Anatomy of extraocular muscles , blood supply and nerve supply	
• Anatomy of the posterior segment (vitreous and retina):	**(5h)**
-Anatomy of the retina -Anatomy of the vitreous	
• Neuro-ophthalmic anatomy:	**(5h)**
1)Anatomy of cranial nerves related to the eye ball and its adenxa	

Extraocular muscles and optic nerve -4th cranial nerve 6th cranial nerve 3rd cranial nerve 5th cranial nerve 8th cranial nerve <u>2)Anatomy of higher visual pathway:</u> -Anatomy of optic chiasma -Anatomy of lateral geniculate body -Anatomy of optic radiation -Anatomy of occipital cortex -Autonomic nervous systems to the eye -Anatomy of the brain stem, medial geniculate body -Relation of cerebellum to the eye -Relation of different brain lobes to the eye	
<u>Total</u>	**22.5 hours**

- **Practical & clinical skills:**

  1hours/week=0.5 credit hours

- **Activities: including, seminars, research forum, journal club, discussion of thesis, workshops, instruction courses, conferences.**

4-Teaching and learning methods:

- **Lectures:** **1.5credit hours=22.5 taught hours**

- **Practical: 0.5credit hours =15 taught hours**

5-Student Assessment

5.1, exam at the end of semester (quiz, MCQs.....) a1, ,b1

5.2–log book: a1, ,b1,c1,d1

6- Assessment schedule:

exam at the end of semester (quiz, MCQs.....)	End of the course

7- List of references

7.1 Course notes

Handout of the department

7.2 Text book:

-American acedamy of ophthalmology. Basic and clinical science course, 2010-2011

7.3 Recommended books

Clinical anatomy of the eye, Richard S. Snell, Micheal A. Lemp, 2nd edition.

7.4 Periodicals and web sites

-British journal of ophthalmology. www.bjo.bmj.com

-Current opinion of ophthalmology. www.co-ophthalmolgy.com

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

-The general library of the faculty.

- Library of the department.

-we certified that all of the information required to deliver this course is contained in the above specifications and will be implemented

We verify that the above report and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

name……

signature…….. Date……

Head of quality assurance unit: name……..

signature…….. Date……..