



## COURSE SPECIFICATION

### Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Program offering the course.	<b>PhD</b>
(2) Department offering the program.	<b>Anatomy and Embryology</b>
(3) Department responsible for teaching the course.	<b>Anatomy and Embryology</b>
(4) Part of the program.	<b>Second part</b>
(5) Date of approval by the Department`s council	<b>18/5/2016</b>
(6) Date of last approval of programme specification by Faculty council	<b>9-8-2016</b>
(7) Course title.	<b>Applied Anatomy of Ophthalmology</b>
(8) Course code.	<b>ANA 601 AAOP</b>
(9) Total teaching hours.	<b>10 (Theoretical) 5 (practical)</b>

## (B) Professional information

### (1) Course Aim:

**The main aims of this course are that the candidate develops** him/her self academically and professionally by **acquiring** detailed knowledge and required skills to be capable of anatomical teaching for postgraduate students in the field of ophthalmology.

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

#### A- Knowledge and Understanding:

On successful completion of the course, the candidate should:

**K 1 Describe the** developmental stages of the eye and eyelids.

**K 2 Recognize** the anatomy of bony orbit.

**K 3 Discuss** the anatomy of orbital fascia and soft tissue.

**K 4 Recognize** the detailed anatomy of extraocular muscles, eye ball.

**K 5 Describe the anatomy** of vessels and nerves of the orbit.

**K 6 Recognize** the anatomy of lacrimal apparatus.

**K 7 State** the clinical aspects based on anatomical and embryological knowledge related to these specific parts of the body.

#### B- Intellectual skills:

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

**I 1 Correlate** clinical aspects of the selected region with anatomical knowledge

**I 2 Integrate** the anatomical facts of these regions with ophthalmological clinical problems.

### C- Practical skills:

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

**P 1 Assemble** the different internal structures in cadavers during teaching.

**P 2 Dissect** professionally selected regions of the human body.

**P 3 Plan** for developing his/her performance in anatomical teaching.

### D- Communication & Transferable skills.

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

**T 1 Communicate** efficiently to improve teaching and research skills.

**T 2 Be prepared** for lifelong learning through self and continuous learning and setup self needs for learning.

**T 3 Efficiently manage time** and manipulate information and by all means.

**T 4 Work efficiently** within a team and be prepared to be a team leader.

**T 5 Setup** rules and parameters for self evaluation and evaluating others performance

### (3) Course content.

Subjects	Lectures	Laboratory
1. Development of eye, eye lid	14	-
2. Bony orbit	16	20
3. Orbital fascia and soft tissue.	14	20
4. Extraocular muscles	16	20
5. Eye ball	20	20
6. Lacrimal apparatus	10	20
7. Vessels of the orbit	20	20
8. Nerves of the orbit	20	30
9. Applied anatomy	20	-
Total	150	150

**(4) Teaching methods:**

- 4.1. Lectures
- 4.2. Practical sessions
- 4.3. Group discussion
- 4.4. Presentation by students

**(5) Assessment methods: Final exam**

- 5.1. **Written exam:** 100 marks for assessment of K1-5; I1,2
- 5.2. **Practical exam:** 50 marks for assessment of P1,3
- 5.2. **Oral Exam:** 50 marks for assessment of all K1-5; I1,2, T1-5

**Assessment schedule:**

**Final Exam (200 marks):** at the end of the course

**Percentage of each assessment to the total mark:**

- Written exam:** 100 marks (50%)
- Practical exam:** 50 marks (25%)
- Oral exam:** 50 marks (25%)

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

- 6.1. **Hand books:** Department Book
- 6.2. **Text books:**
  - Grey's Anatomy.
  - Last's Anatomy.
  - Cunningham Practical of Anatomy
  - Langman's Medical Embryology.
  - Keith L. Moore Embryology .
  - Student's Grants Atlas.
  - Netter's Atlas.

Snell's Atlas.

**6.3. Websites.**

[http://anatomy.med.umich.edu/courseinfo/mich\\_quiz\\_index.html](http://anatomy.med.umich.edu/courseinfo/mich_quiz_index.html)

<http://freevidelectures.com/>

<http://www.med.umich.edu/lrc/coursepages/M1/anatomy/html/>

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

- Lecture room
- Anatomy dissection lab, cadavers, plastinated specimens and models
- Computers, data show projector and internet connection

**Course coordinator: Prof. Fathy Abdel-Ghany**

**Head of the department: Prof. Adel El Hawary**

**Date: 18/5/2016**