



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Program offering the course.	M.Sc.
(2) Department offering the program.	Anatomy and Embryology
(3) Department responsible for teaching the course.	Anatomy and Embryology
(4) Part of the program.	Second part
(5) Date of approval by the Department`s council	18/5/2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Applied Anatomy of Ophthalmology
(8) Course code.	ANA 501 AAOP
(9) Credit hours.	5 (theoretical) 2 (practical)

(B) Professional information

(1) Course Aim:

The main aims of this course are to allow the candidate to develop him/her self academically and professionally by **acquiring** detailed knowledge and required skills to be capable of anatomical teaching 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 development of the eye and eyelids.
- K 2 Recognize** the anatomy of bony orbit.
- K 3 Review the anatomy of** orbital fascia and soft tissue.
- K 4 Recognize** the detailed anatomy of extraocular muscles, eye ball.
- K 5 Recognize** the course and distribution of vessels and nerves of the orbit.
- K 6 Recall** 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 Integrate** the anatomical facts of the studied regions with with ophthalmological clinical problems.

C- Practical skills:

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

P 1 Apply the anatomy and embryology in solving and explaining different clinical problems of a particular region of the body.

P 2 Plan for developing his/her performance in anatomical teaching.

D- Communication & Transferable skills.

T 1 Use information and communication technology efficiently in the field of professional anatomical practice of teaching and research.

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	5	-
2. Bony orbit	5	4
3. Orbital fascia and soft tissue.	5	4
4. Extraocular muscles	5	4
5. Eye ball	10	4
6. Lacrimal apparatus	5	4
7. Vessels of the orbit and cavernous sinus	15	20
8. Nerves of the orbit and eye	15	20
9. Applied anatomy	10	-
Total	75	60

(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 for assessment of K1-5, I1.
- 5.2. Oral Exam for assessment of K1-5, I1, T1-5.
- 5.3. Practical Exam for assessment of P1, 2

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%) **Essay:** 80 marks, **MCQ:** 20 marks

Oral exam: 50 marks (25%)

Practical 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://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//2016