



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 program specification by Faculty council	9-8-2016
(7) Course title.	Applied Anatomy of orthopedics
(8) Course code.	ANA 501 AAOR
(9) Total teaching hours.	5 (Theoretical) 2 (practical)

(B) Professional information

(1) Course Aim:

The main aims of this course are that the candidate be able 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 orthopedic surgery.**

(2) Intended Learning Outcomes (ILOs):

A- Knowledge and Understanding:

On successful completion of the course, the candidate should:

K 1 Describe the anatomy of joints of upper and lower limbs.

K 2 Recognize the anatomy, distribution and lesion of nerves of upper and lower limbs.

K 3 Recognize the detailed anatomy of blood vessels and lymphatics of upper and lower limbs.

K 4 Record the clinical aspects based on anatomical 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 and embryological basis with orthopaedic clinical problems.

C- Practical skills:

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

P 1 Apply the anatomy 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 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 Manage the time efficiently and process information 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. Shoulder joint	5	4
2. Elbow joint	5	4
3. Wrist joint	5	4
4. Muscles of the upper limb	5	4
5. Brachial plexus, nerves of the upper limb	5	4
6. Blood vessels of the upper limb	5	4
7. Hand	5	4
8. Hip joint	5	4
9. Knee joint	5	4
10. Ankle joint	5	4
11. Joints of the foot	5	4
12. Muscles of the lower limb	5	4
13. Nerves of the lower limb	5	4
14. Blood vessels of the lower limb	5	4
15. foot	5	4
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.** 100 marks for assessment of K1-4; I1
- 5.2. **Practical exam.** 50 marks for assessment of P1,2
- 5.2. **Oral Exam.** 50 marks for assessment of all K1-4; I1, 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%); essay 80 marks(80%), MCQ 20 marks(20%)
- 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://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. Omar Gabr

Head of the department: Prof. Adel El Hawary

Date: 18/5/2016