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 neurology**
(8) Course code:	**ANA 501 AAN**
(9) Total teaching hours:	**5 (theoretical)** **2 (practical)**

(B) Professional information

(1) Course Aim:

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

The main aims of this course are to allow the candidate to develop him/her self academically and professionally by a**cquiring** detailed knowledge and required skills to be capable of anatomical teaching postgraduate students in the field of neurology.

(2) Intended Learning Outcomes (ILOs):

A- Knowledge and Understanding:

On successful completion of the course, the candidate should**:**

K 1 Recall the embryology related to neural maldevelopment

K 2 Describe the anatomy of skull and vertebral column.

K 3 Recognize the anatomy of cranial nerves, nerve plexuses and peripheral nerves.

K 4 Discuss the anatomical aspects related to neurosurgical disorders.

K 5 Recognize the detailed anatomy of cerebrum, cerebellum and brain stem.

K 6 Describe the detailed anatomy of the ventricular system and brain coverings

K 7 Recognize the tractology of the spinal cord in depth.

K 8 State 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 these regions with neurological clinical problems.

C- Practical skills:

On successful completion of the course, the candidate will 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 communicate efficiently to develop 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. Embryology related to neural maldevelopment	5	-
2. Skull, orbit	5	4
3. Spine, joints of vertebral column, sacrum	5	4
4. Peripheral nerves, plexuses, sympathetic chain	5	4
5. Cranial nerves	5	4
6. Cerebrum	5	8
7. Cerebellum	5	8
8. Blood supply of brain and spinal cord	5	4
9. Arachnoid cysterns	5	-
10. Dura	5	4
11. Ventricular system	5	4
12. Brain stem	5	4
13.Tractology of the spinal cord	5	4
14.Cut sectional anatomy of brain and spinal cord	5	8
15. Applied anatomy	5	-
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://freevideolectures.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. Adel Bondok**

Head of the department: Prof. Adel El Hawary

Date: 18/5/2016