Human Anatomy and Embryology 2 Course Specifications

Code: AMED 02

Second year of M.B.B.Ch. Program

2016-2017

Human Anatomy and embryology2

University: Assiut

Faculty: Medicine

Department : Human anatomy and embryology

1- Basic information

Programme(s) on which the course is given: **M.B.B.Ch. program**

Department offering the course: **Department of Human Anatomy and Embryology**

Academic year / Level: **Second year**

Date of specification approval: **9-2016**

Title: **Anatomy 2** **Code:** **Amed02**

Lecture: 120 hours **Tutorial/practical: 120 hours**

Total: **240 hours**

External evaluators: **Prof. Dr Mohamed Mostafa Ahmed.**
Prof. of Anatomy, faculty of Medicine, El Minia University

Date of last revision: 9-2016

2- Overall aims:

- To provide the student with an appropriate background and knowledge that enable him /her to identify the normal structure and function of head and neck, neuroanatomy, and upper limb
- To enable the student to recognize different stages of the development of each body system and how these affect normal structure and function
- To provide the student with the knowledge and skills that enable him/her to Identify and examine the normal anatomy of head and neck, neuroanatomy, and upper limb grossly
- To provide appropriate ethical and professional education necessary for dealing with cadavers
- To enable students to correlate anatomical facts with their clinical applications

3- Intended learning outcomes (ILOs)

A- Knowledge and understanding

By the end of the course, students should be able to:

A1- Describe the normal anatomy of various regions of the human body (Head & neck, neuroanatomy and upper limb) (a5).

A2- Mention course, relations and branches of main blood vessels of the Head & neck, brain & spinal cord and upper limb (a5).

A3- Mention course, relations and branches of main nerves of the head & neck, brain & spinal cord and upper limb (a5).

A4- Describe the surface landmarks of the underlying bones, muscles and tendons, and internal structures (main nerves, vessels and viscera) of head & neck, brain & spinal cord and upper limb (a5).

A5- Identify the different stages of human development, evolution and congenital anomalies of:

- Urinary & Genital systems (a6).
- Integumentary system (a6).
- Head and neck. (a6).
- Nervous system (a6).
- Muscular & Skeletal system (a6).

B- Intellectual skills

By the end of the course, students should be able to:

B1- Interpret the normal anatomical structures of the head & neck, brain & spinal cord and upper limb on radiographs. (b1)

B2- Connect some clinical findings to developmental basis. (b1)

B3- Correlate anatomical facts with the manifestation of various nerve injuries of the of the head & neck, brain & spinal cord and upper limb (b1)

B4- Correlate anatomical facts with its major clinical applications. (b1)

C- Professional and practical skills

By the end of the course, students should be able to:

C1- Examine the important features of skeleton of the head & neck and upper limb (c1)

C2- Examine the gross morphology of different organs of the head & neck, neuroanatomy and upper limb (c1)

C3- Examine the arrangement of various organs and internal structures in their normal places (in cadavers and preserved specimens) of the head & neck, brain & spinal cord and upper limb (c1)

C4- Examine the surface anatomy of various arteries and nerves and other internal structures of the head & neck, brain & spinal cord and upper limb (c1)

D- General skills

By the end of the course, students should be able to:

D1- Write reports on the different anatomical samples of the head & neck, brain & spinal cord and lower limb (d12)

D2- Communicate effectively with teachers, and colleagues. (d13)

D3- Value the ethics and respect to all individuals inside and outside the dissecting room and pay a good deal of respect to the cadavers (d13)

4- Course contents

Topic	No. of Hours	Lecture	Practical /Tutorial
Special embryology	36	36	-
Head & Neck	94	30	64
Neuro-anatomy	62	30	32
Upper limb	48	24	24
Total	240	120	120

5- Teaching and learning Methods

1- Lectures for acquisition of knowledge

2- Discussion sessions for acquisition of intellectual skills

3- Practical sessions to identify and recognize anatomical specimens (including practical dissection, demonstration in the dissecting rooms, museum jars and X-ray films)

4- Assignment (practical book and student portfolio) and reports

5- E learning (Question bank)

6- Student presentation

7- E-Learning system interactive discussion.

Facilities required for teaching and learning

1- Overhead projectors

2- Computers and internet facilities (E-Learning system)

3- Data Show

4- Dissecting rooms including cadavers, bones and plastic models

5- Museum specimens and x-ray films

6- Computer programs including different atlases and CD movies

7- Lectures halls

8- Faculty library

6- Teaching and learning Methods for students with learning difficulties:

1- Lectures.
2- Practical sessions to identify and recognize anatomical specimens, demonstration in the dissecting rooms, museum jars, X ray films
3- Classes for demonstrations of jars, anatomical specimens.
4. Special classes outside the teaching schedule

7- Student assessment Methods

1- Written exams to assess knowledge and intellectual skills (a1-a5, b1-b4) (short essay)

2- Practical exams to assess intellectual and practical skills (bone, flesh, jars from cadavers and plastinated specimens for identification) (b1-b4, c1-c4)

3- Oral exam to assess knowledge and general and intellectual skills (a1-a5, b1-b4, d1-d3)

4- Attendance Criteria: The minimal acceptable attendance is 75%

Assessment schedule

Assessment 1: Practical periodic (formative/summative) in the 10th week
Assessment 2 : Mid term exam (written and practical) (formative/summative) in the 18th week
Assessment 3: Final practical examination by the end of the year (bone, flesh, jars from cadavers and plastinated specimens for identification)
Assessment 4: Final written examination by the end of the year (short essay)
Assessment 5: Final oral examination by the end of the year
Assessment 6: Course assignment (practical book and student portfolio)

Weighting of assessments

Assessments 1, 2 and 6	50	20%
Final term written exam (assessment 4)	125	50%
Final Oral exam (assessment 5)	35	14%
Final Practical exam (assessment 3)	40	16%
Total	250 marks	100%

8- List of references

1- course notes:
Department course notes (Lectures and practical)

2- Essential books:
Department notes

3- Recommended books:
Gray's *Anatomy of the Human Body* features, 41st edition (2016).

4- periodicals and web sites of anatomy, http://www.med-ed-online.org/

Course coordinator: Prof. Dr. Dorreia Abdallah Mohamed Zaghlol, Dr /Hoda Ahmed Mohamed, Dr/ Hala Zein El abdin and Dr/ Ashraf Edward.

Head of Department: Prof. Dr. Dorreia Abdallah Mohamed Zaghlol

Date: 9-2016