

Human anatomy and embryology II

Course Specifications

Code: AMED 02

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

2017-2018

University: Aswan

Faculty: Medicine

Department : Human anatomy and embryology

1- Basic information

- **Program(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:** 26-2-2018
- **Title:** Human anatomy and embryology 2 Code: Amed 02
- **Lecture:** 120 hours
- **Tutorial/practical:** 120 hours
- **Total:** 240 hours
 - o **External evaluators:** Prof. Dr Mohamed A. Desoqey and Prof. Dr.Mohammed Mostafa Abdel Aleem

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

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- To provide appropriate ethical and professional education necessary for dealing with cadavers
- To enable students to correlate anatomical facts with their clinical applications

2- 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)
- A2- Mention course, relations and branches of main blood vessels of the Head & neck, brain & spinal cord and upper limb
- A3- Mention course, relations and branches of main nerves of the head & neck, brain & spinal cord and upper limb
- 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- Identify the different stages of human development, evolution and congenital anomalies of:
 - Urinary & Genital systems
 - Integumentary system
 - Head and neck.
 - Nervous system
 - Muscular & Skeletal system

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

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cord and upper limb on radiographs.

B2- Connect some clinical findings to developmental basis.

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

B4- Correlate anatomical facts with its major clinical applications

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

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

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

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

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

D2- Communicate effectively with teachers, and colleagues.

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

3- 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

4- 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

Facilities required for teaching and learning

- 1- Overhead projectors
- 2- Computers and internet facilities
- 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

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7- Lectures halls

8- Faculty library

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

45

18%

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وحدة ضمان الجودة

الخطة الاستراتيجية ٢٠١٧/٢٠١٨

جامعة أسوان - كلية الطب

Assessment 6	5	2%
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 Recommended books: The Bartleby.com edition of Gray's Anatomy of the Human Body features TWENTIETH EDITION (2011).
3. periodicals and web sites of anatomy, <http://www.med-ed-online.org/>

Course coordinator: Prof. Dr. Sayed Anwar Sayed .

Head of Department: Prof. Dr. Sayed Anwar Sayed

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