

Human anatomy and embryology I

Course Specifications

Code: AMED 01

First 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:** First year
- **Date of specification approval:** 26-2-2018
- **Title:** Human anatomy and embryology 1 Code: Amed 01
- **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 that enable him /her to identify the normal structure and function of thorax, abdomen, pelvis and lower limb.
- To enable the student to recognize different stages of the early embryonic development 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 thorax, abdomen, pelvis and lower limb.
- To provide appropriate ethical and professional education necessary for dealing with cadavers
- To enable students to correlate anatomical facts with their

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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 (thorax, abdomen, pelvis, perineum & lower limb)

A2- Describe course, relations and branches of main blood vessels of the thorax, abdomen, pelvis, perineum & lower limb

A3- Mention course, relations and branches of main nerves of the thorax, abdomen, pelvis, perineum & lower limb

A4- Describe the surface landmarks of the underlying bones, muscles and tendons, and internal structures (main nerves, vessels and viscera) of thorax, abdomen, pelvis, perineum & lower limb

A5- Identify the different stages, results and abnormalities of the following processes:

- spermatogenesis & oogenesis
- ovarian cycle & uterine cycle
- ovulation, fertilization, cleavage & implantation
- bilaminar and trilaminar germ layers
- ectoderm & endoderm & mesoderm
- Fetal membranes: amnion, yolk sac, allantois, chorion, Umbilical cord and placenta

B- Intellectual skills

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

B1- Interpret the normal anatomical structures on radiographs.

B2- Analyze some clinical findings in relation to developmental basis.

B3- Correlate anatomical facts with the manifestation of various nerve injuries of the thorax, abdomen, pelvis, perineum & lower limb.

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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 thorax, abdomen, pelvis & lower limb

C2- Examine the gross morphology of different organs of thorax, abdomen, pelvis & perineum

C3- Examine the arrangement of various organs and internal structures in their normal places (in cadavers and preserved specimens) of thorax, abdomen, pelvis, perineum & lower limb

C4- Examine the surface anatomy of various arteries and nerves and other internal structures of thorax, abdomen, pelvis, perineum & lower limb

C5- Summarize reports on the different anatomical samples of thorax, abdomen, pelvis, perineum & lower limb

d- General skills

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

D1- Communicate effectively with teachers and colleagues.

D2- Value the ethics and respect to all individuals inside and outside the dissecting room and give a good deal of respect to the cadavers

D3- Write reports on the different anatomical samples of the thorax ,abdomen, pelvis and upper limb

3- Course contents:

Topic	No. of Hours	Lecture	Tutorial/ Practical
Introduction to Human anatomy	25	15	10
Lower limb	54	24	30
Thorax	40	15	25
Abdomen	54	24	30
Pelvis & Perineum	45	20	25
General Embryology	22	22	-
Total	240	120	120

4- Teaching and learning Methods

- 1- Lectures (for acquisition of knowledge: 4 hours/week).
- 2- Discussion sessions (2 hours/week) for acquisition of intellectual skills
- 3- Practical sessions to identify and recognize anatomical specimens (6 hours/ week; including practical dissection, demonstration in the dissecting rooms, museum jars, X ray films)
- 4- Assignment (practical book and student portfolio) and reports
- 5- E learning (photos of different organs with illustrations)
- 5- Student presentation

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Facilities required for teaching and learning

- 1- Lecture halls
- 2- Dissecting rooms including cadavers, bones and plastic models
- 3- Museum specimens and x-ray films
- 4- Overhead projectors
- 5- Data Show
- 6- Computers and internet facilities
- 7- Computer programs including different atlases and C.D movies
- 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 (short essay) (a1-a5, b1-b4).
- 2- Practical exams to assess intellectual and practical skills ("bone, flesh, jars from cadavers and plastinated specimens for identification) to assess (b1- b4, c1-c5)
- 3- Oral exams to assess knowledge, general and intellectual skills to assess (a1-a5, b1-b4, d1-d3)
- 4- Attendance criteria: the minimal acceptable attendance is 75%

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- Assessment schedule

Assessment 1: Practical periodic (formative/summative) by the end of 10th week

Assessment 2: Mid-term exam (formative/summative) by the end of 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%
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 course notes

3- Recommended books: The Bartleby.com edition of Gray's *Anatomy of the Human Body* features TWENTIETH EDITION (2011).

4- Periodicals and web sites of anatomy: <http://www.med-ed-online.org/>

Course coordinators: prof. Dr. sayed Anwar Sayed Hassan

Head of Department: Prof. Dr. Sayed Anwar Sayed

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وحدة ضمان الجودة

الخطة الاستراتيجية ٢٠١٧/٢٠١٨

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