



Course Specification

University: **Beni-Suef** Faculty: **Dentistry**
Course Title: **General Anatomy** Course code: **MGA2**
Program on which the course is given: **Bachelor's degree in Dentistry, Graduate program**
Department offering the course: **Anatomy department, Faculty of Medicine**
Academic year: **first year**
Date of specification approval: **September 2023**

A- Basic Information

Academic Year:	2023-2024
Course Code:	MGA2
Course Theoretical (contact hours):	2hrs /week
Practical (contact hours)	2hrs /week
Total Hours: -	4hrs /week(120hr): Theoretical:60, Practical:60

B- Professional Information

Overall aims of course:

Aim 1	The basic anatomical principles of systems of the body
Aim 2	List fundamental concepts of systems of the body.
Aim 3	To correlate between anatomical principles of systems of the body and human health and diseases
Aim 4	To Label human anatomy of systems of the body emphasizing the dynamic relationships between systems in the body

Aim 5	To acquire an appropriate background, knowledge about the anatomy of the head, ear, nose, pharynx and larynx
Aim 6	Giving the student a general idea of developmental principles and structure of head, ear, nose, pharynx and larynx in the body grossly.
Aim 7	To acquire an appropriate background knowledge about the normal structure and function of the neck
Aim 8	To correlate between anatomical principles of head & neck and human health and diseases

2- Intended learning outcomes of course (ILOs):

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a. Knowledge and understanding:

a1- Discuss the anatomical position, planes and terms

a2- Describe Skeletal system, function, classification, surface markings, blood supply and nerve supply.

a3- Describe Muscular system, types of muscles: skeletal, cardiac and smooth muscles.

a4- Describe Articular system, definition, classification, stability, blood supply and terms of movement.

a5- Describe the digestive system, mouth cavity, pharynx, esophagus, stomach, small intestine, large intestine and digestive glands.

a6- Describe the circulatory system, heart and blood vessels. Lymphatic system, lymph vessels, lymph nodes, lymphoid tissues, spleen.

a7- Describe the respiratory system, nasal cavity, pharynx, larynx, trachea, bronchi, lungs.

a8- Describe the urinary system, kidney, urinary bladder, urethra.

a9- Describe the Genital system, Male: testes, bulbo-urethral glands, epididymis, vas deferens, seminal vesicles, ejaculatory ducts, penis. Females: ovaries, uterus, uterine tubes, vulva.

a10- Describe the Nervous system, central nervous system, peripheral nervous system and autonomic nervous system.

a11- Describe the Endocrine system, pituitary gland, thyroid gland, parathyroid gland, suprarenal gland, thymus and mixed glands, the anatomy of the eye& ear and the growth.

- a12- Describe the early embryogenesis and the branchial arches and their derivatives.
- a13- Describe the development the salivary glands.
- a14- Describe the development of the thyroid and pituitary glands.
- a15- Describe the anatomy of the scalp and face (muscles, blood supply and nerve supply).
- a16- Describe the anatomy of the cranial cavity, dura matter, dural folds and dural venous sinuses.
- a17- Describe the anatomy of the parotid gland (size, site, extension, structure, surface anatomy, ducts, surfaces, borders and poles), blood supply, nerve supply and lymph drainage.
- a18- Describe boundaries and contents of the temporal and infratemporal regions (muscles of mastication, mandibular nerve, maxillary nerve, sphenopalatine ganglion, maxillary artery and pterygoid venous plexus)
- a19- Describe the anatomy of temporomandibular joint, type, variety, articular surfaces, capsule, intracapsular disc, ligaments and muscles of the joints.
- a20- Discuss the fascia of the neck (superficial fascia and its contents, deep fascia and its parts)
- a21- Describe the triangular spaces of the neck, posterior and anterior triangles (boundaries, subdivisions and contents).
- a22- Describe the anatomy of the thyroid gland (size, weight, shape, structure, site, extension, capsule, relations and blood supply).
- a23- Describe the anatomy of major vessels of head and neck (subclavian, common carotid, internal and external carotid, jugular veins)
- a24- Describe the anatomy of nerves of head and neck: cranial nerve, cervical plexus, phrenic nerve, parasympathetic nerves, sympathetic chain)
- a25- Describe the anatomy of oral cavity (tongue and palate)
- a26- Describe the anatomy of the pharynx, shape, structure, muscles, cavity, palatine tonsil, arterial supply and nerve supply
- a27- List the relations, cartilages, membranes, ligaments, muscles, blood supply and nerve supply of the larynx.
- a28- Describe the anatomy of the nasal cavity (boundaries, blood supply, nerve supply, lymph drainage and para-nasal sinuses)

a29- Discuss the lymphatic drainage of the head and neck

b. Intellectual skills:

b1- Use the anatomical facts to determine the position or the course of an internal viscera or structure.

c. Professional and practical skills:

c1- Identify the different bones and organs of the body and describe their general features.

c2- Identify and discuss the human skull bones, mandible, cervical vertebrae and their attachments and related structures.

c3- Identify the soft tissues of the head and neck on the cadaver.

d. General and transferable skills:

d1- Use of modern technology such as computer and the internet to search for data and /or preparing scientific presentations.

d2- Be self-motivated to continue to develop and improve their skills for life-long learning as well as self-learning.

d3-Work effectively as a part of a team.

3-Contents:

Topic	<u>Lectures</u> (2hrs)	<u>Practical</u> (2hrs)	Tutorial/practical	<u>weighting</u>
Anatomical terms and positions	1	1		4
Skeletal system	1	1	On the corpses	4
Articular system	1	1		4
Muscular system	1	1	On the corpses	4
Digestive system, GIT and glands	1	1	On the corpses and as a specimen	4
Cardiovascular system and lymphatic	1	1	On the corpses and as a specimen	4
Respiratory system	1	1	On the corpses and as a specimen	4
Urinary system	1	1	On the corpses and as a specimen	4

Genital system	1	1	On the corpses and as a specimen	4
Nervous system	1	1	On the corpses and as a specimen	4
Endocrine system, eye, ear and growth	1	1	On the corpses and as a specimen	4
Early embryogenesis (Branchial arches and their derivatives, Development of the salivary glands, thyroid gland, and pituitary gland)	2	2		8
Scalp	1	1	Scalp on skull	4
Face	1	1	Face on skull	4
Cranial cavity	1	1	Cranial cavity on skull	4
Cranial nerves, Sympathetic trunk, Cervical plexus and lymph nodes	1	1	Cranial cavity on skull	4
Temporal and Infra temporal regions	1	1	Mandible, norma lateralis, temporal, infra temporal regions	4
Parotid gland & Facial nerve	1	1		4
Temporomandibular joint	1	1	on skull and mandible	4
Fascia of the neck Triangular spaces of the neck and Submandibular region	1	1		4

Thyroid gland and parathyroid gland	1	1		4
Oral cavity, larynx, Pharynx and Tonsils	1	1		4
Nasal cavity and para-nasal sinuses	1	1	On skull	4
Lymphatic drainage of head and neck	1	1		4

4- Teaching and learning methods:

- 4.a Interactive lecture
- 4.b Small group discussion / Brain storming.
- 4.c Demonstrations.

5- Student assessment methods

- 5.a Written and short answer question
- 5.b. Multiple choice questions (MCQ)
- 5.c Practical / OSPE
- .5.d. True or false question with justifying answer.

Assessment schedule

Quizzes	During the year
Assignments	During the 1 st and the 2 nd semesters
Practical exam	April/May 2024
Final exam	June 2024

Weighting of assessments

Written	Practical	Oral Exam	Attendance / continuous assessment	Total
40	20	20	20	100

6- List of reference;

- Human Anatomy and Embryology department Books
- Practical book of Anatomy for medical students' course
- Important web sites
 - <http://www.medic8.com/MedicalDictionary.htm>
 - Gray anatomy
 - www.innerbody.com
 - Anatomy & Physiology
 - Introduction to Human Anatomy By Dr Ahmed Kamal
 - mohamedelsaka20031 / 62
 - <https://www.youtube.com/watch?v=Jjt6gIIVMd8&list=PL60F13161E11DBB4C>
 - Introduction To Human Anatomy(GENERAL)..(BASIC).(NEW VIDEOS).DR/ SAMEH GHAZY https://www.youtube.com/watch?v=DFWA_z81nZ4&list=PLfB60Y06Np49Hkd4Mv7zMD7turO7IIAii
- Recommended textbook
 - Principles of Human Anatomy. By: Gerard J Tortora .11th.edition
 - Snell, R.: Clinical Anatomy, 7th edition, 2002 Lippincott, Williams & Wilkins.
 - Before we are born. By K.L. Morre and T.V.N. Persaud, latest edition

Facilities required for teaching and learning

- Power point lectures
- Activity practical book
- Teaching hall

- Computer and data show

Course coordinator: **Prof. Hanan Dawood Yassa**

Head of Department: **Prof. Hanan Dawood Yassa**

Date: **September 2023**