

المقررات الدراسية للمرحلة الاولى وحسب نظام الكورسات لفرع التشريخ البشري
مقرر التشريخ/ الكورس الاول

University of Babylon
College of Medicine
Department of Human Anatomy

Class: First

Subject: Anatomy

Code: MeANi100001

Theoretical Units: 2 / Practical Units: 2

First Course 2023-2024

No	No. of weeks	Theoretical Hours		Practical Hours	
		Theory Lecture Topics	Hours per week	Practical Session Topics	Hours per week
1	1 st .week	Introduction to human anatomy 1-Descriptive Anatomic Terms, terms of position 2- Terms of Movement & Joints	2	Introduction to human anatomy 1- Terminology 2- Terminology & joints	4
2	2 nd .week	1- Skin, muscles, ligaments, membranes & bones 2- Nervous system: CNS & PNS	2	1- Anatomical structures 2- CNS & PNS	4
3	3 rd .week	1- Autonomic nervous system Upper limb 2- Pectoral region: bones, muscles, fascia, Surface anatomy	2	1- Autonomic NS Upper limb 2- Pectoral region	4
4	4 th .week	1- Shoulder region: bones and muscles 2- Shoulder, acromioclavicular, and sternoclavicular joints	2	1- Shoulder region 2- Shoulder joint and related muscles	4
5	5 th .week	1-Axilla (boundaries & content) 2- Brachial plexus	2	1-Axilla 2- Brachial plexus	4
6	6 th .week	1- Arm: humerus, Anterior & posterior compartments 2- Cubital fossa	2	1- Arm: Compartments 2- Cubital fossa	4
7	7 th .week	1- Elbow joint, 2- radius & ulna MIDCOURSE EXAMINATION	2	1- Elbow joint, 2- radius & ulna MIDCOURSE EXAM	4
8	8 th .week	1- Forearm: Flexor compartment 2- Forearm: Flexor compartment		1- Forearm I 2- Forearm: II	4
9	9 th .week	1- Forearm: Extensor compartment 2- Forearm: Extensor compartment	2	1- Forearm III 2- Forearm: IV	4
10	10 th .week	1- Wrist joint and hand bones 2- Hand: palmar muscles	2	1- Wrist J.& hand bones 2- Hand: palmar muscles	4

11	11 th .week	1- Hand: arterial palmar arches 2- Hand: spaces & synovial sheaths	2	1- Hand 2- Hand	4
12	12 th .week	1- Upper limb: superficial veins 2- Arteries & peripheral pulses	2	1- Superficial veins 2- Arteries & pulses	4
13	13 th .week	1- Brachial plexus injuries I 2- Brachial plexus injuries II	2	1- Brachial plexus injuries 2- Brachial plexus injuries	4
14	14 th .week	1- Upper limb: Nerve injuries 2- Upper limb: Nerve injuries	2	1- Nerve injuries 2- Nerve injuries	4
15	15 th .week	Upper limb: applied anatomy of common fractures	2	Applied anatomy of common fractures	4

Lecturers:

- 1. Lecturers: Dr. prof. Haythem Ali AL-sayigh /MB.CH,B./F.I.M.B.S**
- 2. Assist lect. Dr. Nawras Najah**

مقرر التشريح المرحلة الاولى / الكورس الثاني

University of Babylon

College of Medicine

Department of Human Anatomy

Class: first

Subject: Anatomy

Code: MeANii100009

Theoretical Units: 2

/ Practical Units: 2

Second Course 2023-2024

No	No. of weeks	Theoretical Hours		Practical Hours	
		Theory Lecture Topics	Hours per week	Practical Session Topics	Hours per week
1	1 st .week	Lower limb 1- Bones and joints overview 2- Thigh: femoral triangle	2	Lower limb 1- Bones & joints 2- Femoral triangle	4
2	2 nd .week	1- Thigh: Anterior & medial compart. 2- Hip joint	2	1- front & medial thigh 2- Hip joint	4
3	3 rd .week	1- Gluteal region 2- Back of thigh	2	2- Gluteal region 2- Back of thigh	4
4	4 th .week	1- Popliteal fossa 2- Knee joint and leg bones	2	1- Popliteal fossa 2- Knee joint & leg bones	4
5	5 th .week	1- Leg: Posterior compartment 2- Leg: Anterior & Lateral compart.	2	1- Leg: Posterior comp. 2- Anterior & Lateral leg	4
6	6 th .week	1- Ankle region: ankle joint related structures 2- Foot: bones & arches	2	1- Ankle region: ankle joint & related structures 2-Foot: bones and arches	4
7	7 th .week	1- Foot: Dorsum & Sole 2- Superficial veins and applied anatomy of varicose veins.	2	1- Foot: Dorsum & Sole 2- Superficial & varicose veins	4
8	8 th .week	1- Lower limb: Nerve injuries 2- Applied anatomy of fractures 2- MID COURSE EXAMINATION		1- Nerve injuries 2- Applied anatomy of fractures 2- MID COURSE EXAM	4
9	9 th .week	Thorax 1-Thoracic wall: bones and joints	2	Thorax 1-Sternum, ribs, vertebrae 2- Intercostal muscles and	4

		2- Thoracic wall: muscles & intercostal spaces		spaces	
10	10 th .week	1- Diaphragm & thoracic inlet 2- Thoracic cavity: divisions	2	1- Diaphragm & thoracic inlet 2- Thoracic mediastina	4
11	11 th .week	1- Pleura & lungs 2- Respiratory passages & anatomy of respiration	2	1- Pleura and lungs 2- Respiratory passages & anatomy of respiration	4
12	12 th .week	1- Heart: Pericardium 2- Heart: external features and coronary arteries	2	1- Pericardium 2- Heart external view	4
13	13 th .week	1-Heart: Internal features 2- Conductive system & blood supply	2	1- Heart: Internal view 2- Conduction & blood supply	4
14	14 th .week	1- Superior mediastinum 2- Posterior mediastinum	2	1- Superior mediastinum 2- Posterior mediastinum	4
15	15 th .week	1- Thorax: applied anatomy 2- Surface & radiological anatomy	2	1- Thorax: applied anatomy 2- Surface & radiological anatomy	4

Lecturers:

1. Lecturers: **Dr. prof. Haythem Ali AL-sayigh/MB.CH,B./F.I.M.B.S**
2. Assist lect. Dr. Nawras Najah

مقرر الاحياء الطبية / الكورس الثاني
 University of Babylon
 College of Medicine
 Department of Human Anatomy

Class: first

Subject: Medical biology

Code: MeBla10005

Theoretical Units: 3

/

Practical Units: 1

total:4

Second Course 2023-2024

No	No. of weeks	Theoretical Hours		Practical Hours	
		Theory Lecture Topics	Hours per week	Practical Session Topics	Hours per week
1	1 st .week	HISTOIOGY & ITS METHODS OF STUDY Tissue Preparation	1	Tissue Preparation: Fixation, Embedding, Sectioning & Staining	2
		Tools of the Cell Biologist Light Microscopy	1	Light Microscopy: Bright-field, Fluorescence Phase-contrast microscopy	
		Transmission& Scanning electron Microscopy	1	Transmission&Scanning electron Microscopy	
2	2 nd .week	Histochemistry &Cytochemistry	1	Histochemistry &Cytochemistry	2
		Fundamentals of Cell and Tissue Culture	1	Cell structure and functions	
		Overview of cell and cytoplasm	1	Cell&tissue culture	
3	3 rd .week	Membranous organelles Non- membranous organelles	1	Cytoplasmic Organelles	2
		Nuclear envelope, Chromatin, Nucleolus	1	Nucleus and nucleolus	
		Cell Division: Mitosis & Meiosis The Cell Cycle and apoptosis	1	Cell Division Meiosis &mitosis The Cell Cycle phases and apoptosis features	
		Stem Cells and Tissue Renewal	1	Stem Cells isolation and transplantation	
4	4 th .week	Genetic material: DNA & RNA structure	1	DNA & RNA structures,	2
			1	Transcription, &Translation	
		DNA Replication	1	DNA Replication process	
5	5 th .week	RNA synthesis &types	1	RNA synthesis &types	2

		Protein synthesis		Protein synthesis	
		Regulation of Gene Expression	1	Gene Expression	
		Tissues: Concept and Classification			
		Epithelial Tissue Characteristic features of epithelial cells Specializations of the apical cell surface	1	Characteristic features of epithelial cells	
		Transport Across Epithelia, Renewal of Epithelial Cells	1	Specializations of the apical cell surface	
7	7 th .week	Types of Epithelia	1	Identifying types of Epithelia	2
		Types of Epithelia	1	Identifying types of Epithelia	
		Connective Tissue 1-cells of connective Tissue 2-Ground substance Fibers	1	Identifying types of connective Tissue	
8	8 th .week	1- Types of connective Tissue 2-Medical view of the connective	1	Identifying Types of connective Tissue	2
		Midcourse exam	1	Midcourse exam	
		Adipose Tissue 1-'White Adipose Tissue	1	Identifying Types of adipose tissue	
9	9 th .week	2-Brown Adipose Tissue	1	2-Brown Adipose Tissue	2
		Cartilage 1-hyalin, Fibrocartilage, Elastic 2- Formation, Growth and Repair	1	Identifying of Cartilage cells and types	
		Cartilage 1-hyalin, Fibrocartilage, Elastic 2- Formation, Growth and Repair	1	Identifying of Cartilage cells and types	
10	10 th .week	Bone: 1- cells, matrix	1	Identifying of bone cells and matrix	2
		Bone: 2-periosteum, endosteum	1	Identifying of periosteum, endosteum	
		Bone: 3- Primary & secondary bone tissue	1	Identifying of Primary & secondary bone tissue	

11	11 th .week	Osteogenesis 1-intramembranous & endochondral	1	Osteogenesis Bone formation stages	2
		Osteogenesis 1-intramembranous & endochondral	1	Osteogenesis Bone formation stages	
		Osteogenesis 1-intramembranous & endochondral	1	Osteogenesis Bone formation stages	
12	12 th .week	1- bone growth remodeling&, repair, Metabolic Role of Bone	1	Osteogenesis Bone formation stages	2
		2- bone growth remodeling&, repair, Metabolic Role of Bone	1		
13	13 th .week	Blood	1		2
		components of blood	1		
		types of Leukocytes	1		
		elements of erythrocytes	1		
14	14 th .week	Nervous Tissue	1		2
		Types of cells	1	Cells of Nerve Tissue	
		Anatomy of a neuron	1	Spinal Cord	
15	15 th .week	Muscle Tissue 1-skeletal muscle organization	1	skeletal muscle muscle spindle & tendon organs	2
		Muscle Tissue 2-mechanism of contraction innervation muscle spindle & tendon organs	1	skeletal muscle muscle spindle & tendon organs	
		Muscle Tissue 3-innervation muscle spindle & tendon organs	1	skeletal muscle muscle spindle & tendon organs	

Lecturers:

1. **prof. Kaiser N. Madlum**
2. **prof. Rana A. Ghaleb**
3. **Assit.prof. Shaimaa A. Jubor**

مقرر الانسجة/ الكورس الاول

University of Babylon

مقرر الانسجة/ الكورس الاول

University of Babylon

College of Medicine

Department of Human Anatomy

Class: Second

Subject: Histology code: MeHli200002

Theoretical Units: 2

/ Practical Units: 1

First Course 2023-2024

No	No. of weeks	Theoretical Hours		Practical Hours	
		Theory Lecture Topics	Hours per week	Practical Session Topics	Hours per week
1	1 st .week	Digestive Tract 1. Introduction I 2. Introduction II	2	Digestive Tract 1. Lips and tongue 2. Pharynx	2
2	2 nd .week	1. Oral cavity 2. Oral cavity	2	1. Esophagus 2. Stomach	2
3	3 rd .week	1. Esophagus 2. Stomach	2	1. Esophagus 2. Stomach	2
4	4 th .week	1. Small intestine 2. Large intestine & Rectum	2	1. Small intestine 2. Large intestine and Rectum	2
5	5 th .week	Digestive tract: associated organs 1. Salivary Glands 2. Salivary Glands	2	1. Anal canal & gall bladder 2. Salivary Glands	2
6	6 th .week	Liver and pancreas Liver and pancreas	2	1. Liver and pancreas 2. Liver and pancreas	2
7	7 th .week	Circulatory System 1. Vascular wall 2. Structural plan of blood vessels MIDCOURSE EXAM	2	Vascular system MIDCOURSE EXAM	2
8	8 th .week	1. Lymphatic vascular system Respiratory system 2. Respiratory epithelium / Nasal cavities smell (olfaction)	2	Lymphatic vascular system	2
9	9 th .week	1. Sinuses & nasopharynx, 2. Larynx, trachea	2	Respiratory system	2
10	10 th .week	1. Bronchial tree & lung 2. Respiratory epithelium / Nasal cavities smell (olfaction)	2	Respiratory system	2
11	11 th .week	Bone	2	Bone	2

	ek	1. Bone structure 2. Types Of Bone		Bone structure	
12	12 th .week	Immune system & Lymphoid organs 1- Antigens, Antibodies, Cytokines 2- Classes & Actions of antibodies	2	Lymph nodes	2
13	13 th .week	1. Cells of immune system 2. Major histocompatibility complex (MHC) & antigen presentation	2	Cells of immune system	2
14	14 th .week	1. Antigen-presenting Cells (APCS)/ Types of immune responses 2. Lymphoid Tissue ,Thymus/ Role of the thymus in T cell maturation	2	Thymus	2
15	15 th .week	1. mucosa-associated lymphoid tissue (MALT), Lymph nodes, Role of lymph nodes in the immune response 2. Recirculation of Lymphocytes/ Spleen, Splenic Pulp, Blood Flow in the Red Pulp	2	Spleen and MALT	2

Lecturers:

1. Assit.prof Maryam M. Borhan
2. Assit.prof. Asmaa M. Meki
3. Assit.prof. Reem A. Al-raheem 1.
4. Assit.prof.Swsam Jassim
5. Assist lect. Zaineb M. Jassim
6. Assist lec. Sabreen saleem

مقرر الانسجة/ الكورس الثاني

University of Babylon

College of Medicine

Department of Human Anatomy

Class: Second Subject: Histology

Code: MeHlii200007

Theoretical Units: 1 / Practical Units: 2

Second Course 2023-2024

No	No. of weeks	Theoretical Hours		Practical Hours	
		Theory Lecture Topics	Hours per week	Practical Session Topics	Hours per week
1	1 st .week	Central Nervous System 1. Glial cells & neuronal activity 2. Satellite cells of Ganglia	1	CNS Cerebral and cerebellar cortex Spinal cord and Nerve fibers	4
2	2 nd .week	1. Cerebral & cerebellar cortex 2. Autonomic and peripheral ganglia	1	Autonomic and peripheral ganglia	4
3	3 rd .week	Urinary system Kidney / Blood circulation	1	Urinary system Kidney/ Blood circulation	4
4	4 th .week	Ureters, bladder, urethra	1	Ureters , urethra, bladder	4
5	5 th .week	Skin 1. Dermis, subcutaneous tissue, vessels & sensory receptors 2. Nails, Sebaceous & Sweat glands	1	Skin	4
6	6 th .week	Endocrine glands Pituitary gland: Blood supply, hypothalamo-hypophyseal Portal syst./ anterior & posterior pituitary	1	Endocrine glands Pituitary gland (hypophysis)	4
7	7 th .week	1. Adrenal glands:, Adrenal cortex, Fetal adrenal cortex, Adrenal medulla Blood supply 2. Pancreatic islets/ Diffuse neuroendocrine system	1	Adrenal glands / Pancreatic islets, Diffuse neuroendocrine system	4
8	8 th .week	1. Thyroid gland, Control of thyroid function, Storage and	1	Thyroid gland/ Parathyroid glands/	4

		release of thyroid hormone, 2. Parathyroid glands/ Pineal gland MIDCOURSE EXAM		Pineal gland MIDCOURSE EXAM	
9	9 th .week	Male Reproductive system Testes & Intratesticular ducts	1	Male Reproductive system Testis/ Seminal vesicles & prostate	4
10	10 th .week	1. Excretory genital ducts/Accessory glands 2. Prostate glands	1	Male urethra & accessory gland Ovary	4
11	11 th .week	Female Reproductive system 1. Ovaries 2. Early development of the ovary	1	Uterine tubes, accessory glands	4
12	12 th .week	Uterine tubes, Vagina, Uterus, placenta	1	Uterus and Placenta	4
13	13 th .week	Mammary glands	1	Mammary glands	4
14	14 th .week	Special sense organs (eye) Eyes: the photoreceptor system	1	The eye	4
15	15 th .week	Special sense organs (ear)	1	The ear	4

Lecturers:

1. Assit.prof Maryam M. Borhan
2. Assit.prof. Asmaa M. Meki
3. Assit.prof. Reem A. Al-raheem
4. Assit.prof.Swsam Jassim
5. Assist lect. Zaineb M. Jassim
6. Assist lec. Sabreen Saleem

مقرر التشريح / الكورس الاول

University of Babylon

College of Medicine

Department of Human Anatomy

Class: Second Subject: Anatomy

Code: MeANi200001

Theoretical Units: 2 / Practical Units: 3

First Course 2023-2024

No	No. of weeks	Theoretical Hours		Practical Hours	
		Theory Lecture Topics	Hours per week	Practical Session Topics	Hours per week
1	1 st .week	Head and Neck 1- Introduction: Regions & Surface marks 2- Neck: Posterior triangle	2	Head and Neck 1- Introduction Bones, Fascia, 2- Posterior triangle	6
2	2 nd .week	1- Submental & submandibular triangles 2- Carotid triangle & Major vessels	2	1- Suprahyoidtriangles 2- Carotid triangle	6
3	3 rd .week	1- Muscular triangle & thyroid gland and root of the neck and Prevertebral region 2- Parotid region, Face & facial skeleton	2	1- Muscular triangle, thyroid gland & root of neck 2- Parotid, face & facial skeleton	6
4	4 th .week	1- Scalp/ Skull (ant., post., sup., & lat. views) 2- Temporal fossa, mandible and TMJ	2	1- Scalp & Skull (ant., post., sup., & lat. views) 2- Temporal fossa & mandible	6
5	5 th .week	1- Infratemporal & pterygopalatine fossa 2- Nose and paranasal sinuses	2	1- Infratemporal & pterygopalatine fossa 2- Nose & paranasal sinuses	6
6	6 th .week	1- Oral cavity and submandibular region 2- Pharynx, Soft palate and inferior view of skull	2	1- Oral cavity & submandibular region 2- Pharynx, soft palate and inferior view of skull	6
7	7 th .week	1- Larynx 2- Orbital cavity content	2	1- Larynx 2- Orbital cavity content	6
8	8 th .week	1- Eye ball 2- Ear	2	1- Eye ball 2- Ear	6

9	9 th .week	MIDCOURSE EXAM Neuroanatomy 1- Cranial cavity: osteology 2- Cranial cavity: meninges, dural sinuses & content	2	MIDCOURSE EXAM Neuroanatomy 1- Cranial cavity: osteology 2- Cranial cavity: meninges, dural sinuses & content	6
10	10 th .week	1- Cerebrum: Gross anatomy & functional area 2- Blood supply of brain	2	1- Cerebrum 2- Blood supply of brain	6
11	11 th .week	1- Ventricular system & CSF circulation 2- Spinal cord topography, meninges and blood supply	2	1- Ventricles & CSF 2- Spinal cord external view	6
12	12 th .week	1- Spinal cord: tracts 2- Midbrain, Pons and Medulla	2	1- Spinal cord internal structure 2- Midbrain, Pons & Medulla	6
13	13 th .week	1- Cerebellum 2- Diencephalon	2	1- Cerebellum 2- Diencephalon	6
14	14 th .week	1- Basal nuclei 2- Limbic and reticular systems	2	1- Basal nuclei 2- Limbic and reticular systems	6
15	15 th .week	1- Cranial nerves 2- Cranial nerves	2	1- Cranial nerves 2- Cranial nerves	6

Lecturers:

1-Lecturers: Dr. prof. Haythem Ali AL-sayigh

MB.CH.B./F.I.M.B.S

2.Assist lect. Dr.Nawras Najah

مقرر التشريح / الكورس الثاني

University of Babylon

College of Medicine

Department of Human Anatomy

Class: Second Subject: Anatomy

Code: MeANii200006

Theoretical Units: 2 / Practical Units: 3

Second Course 2022-2023

No	No. of weeks	Theoretical Hours		Practical Hours	
		Theory Lecture Topics	Hours per week	Practical Session Topics	Hours per week
1	1 st .week	Abdomen 1- Anterior wall:, bones, muscles, & rectus sheath 2- Vessels, nerves & applied anatomy	2	Abdomen 1- Anterior Abdominal wall 2- Anterior Abdominal wall	6
2	2 nd .week	1- Inguinal region and canal 2- Abdominal cavity: General topography	2	1- Inguinal region 2- Abdominal viscera	6
3	3 rd .week	1- Peritoneum and its spaces 2- Development of gut & abdominal pain	2	1- Peritoneum & spaces 2- Anatomy of abdominal pain	6
4	4 th .week	1- Esophagus, Stomach and lesser sac 2- Small & Large intestine	2	1- Esophagus, Stomach and lesser sac 2- Small & large intestine	6
5	5 th .week	1- Gut: Vessels and nerves 2- Liver and biliary tree	2	1- Gut: vessels & nerves 2- Liver & biliary tree	6
6	6 th .week	1- Spleen & pancreas 2- Posterior abdominal wall & diaphragm	2	1- Spleen & pancreas 2- Posterior abdominal wall & diaphragm	6
7	7 th .week	1- kidney, ureters and suprarenal 2- Major abdominal vessels and portosystemic anastomosis	2	1- Kidney, ureters and suprarenal 2- Major abdominal vessels	6
8	8 th .week	MID-COURSE EXAMINATION Pelvis: 1- Pelvic bones, walls& floor 2- Pelvic cavity: inlet, outlet, content, fascia and peritoneum	2	MID-COURSE EXAM Pelvis: 1- Pelvic boundaries 2- Pelvic cavity: inlet, outlet, content, fascia and peritoneum	6
9	9 th .week	1- Male pelvis: rectum, urinary bladder 2- Male pelvis: internal genital	2	1- Rectum, urinary bladder 2- Male internal genital	6

		organs		organs	
10	10 th .week	1- Female internal genital organs 2- Pelvic vessels and nerves	2	1- Female inner genital organs 2- Pelvic vessels and nerves	6
11	11 th .week	1- Applied anatomy: fractures & internal bleeding 2- applied anatomy: pelvic collections and pain	2	1- Fractures & internal bleeding 2- Pelvic collections and pain	6
12	12 th .week	<u>Perineum</u> 1- Anal canal & ischioanal fossa 2- Urogenital triangle: perineal pouches	2	<u>Perineum</u> 1- Anal canal & ischioanal fossa 2- Urogenital triangle	6
13	13 th .week	1- Male urogenital region 2- Male urogenital region	2	1- Male urogenital region 2- Male urogenital region	6
14	14 th .week	1- Female urogenital region 2- Female urogenital region	2	1- Female urogen. region 2- Female urogen. region	6
15	15 th .week	1- Applied anatomy: abdomen & pelvis 2- Applied anatomy: abdomen & pelvis	2	1- Applied anatomy 2- Applied anatomy	6

Lecturers:

1. Lecturers: Dr. prof. Haythem Ali AL-sayigh MB.CH,B./F.I.M.B.S
2. Assist lect. Dr.Nawras Najah

مقرر الاجنة/الكورس الثاني

University of Babylon

College of Medicine

Department of Human Anatomy

Class: Second Subject: Embryology

Code: MeEmi200003 Theoretical Units: 2

Second Course 2023-2024

No	No. of weeks	Theoretical Hours	
		Theory Lecture Topics	Hours per week
1	1 st .week	1. Introduction and terminology	2
2	2 nd .week	2. Gametogenesis and cytodifferentiation	2
3	3 rd .week	3. First week of development: oocyte transport, corpus formation, fertilization and implantation.	2
4	4 th .week	4. bilaminar , trilaminar germ disc and clinical correlation.	2
5	5 th .week	5. organogenesis and germ layers derivatives	2
6	6 th .week	6. Paraxial mesoderm development	2
7	7 th .week	7. fetal period, development of placenta and umbilical cord with clinical correlation	2
8	8 th .week	Midcourse examination 8. birth defects	
9	9 th .week	9. intraembryonic cavities	2
10	10 th .week	10. respiratory system	2
11	11 th .week	11. musculoskeletal system	2
12	12 th .week	12. foregut, midgut and hind gut development	2
13	13 th .week	13. cardiovascular system development	2
14	14 th .week	14. urogenital system development	2
15	15 th .week	15. central system and special sense	2

Lecturers: Dr. Rabab Zahir Mousa

M.B.CH.B / Msc