

مواد فرع التشريخ للعام الدراسي 2022-2023

ت	اسم المادة	المرحلة	نوع المادة
1	بيولوجي	مرحلة اولى	نظري + عملي
2	تشريح	مرحلة اولى	نظري + عملي
3	أجنة	مرحلة ثانية	نظري
4	أنسجة	مرحلة ثانية	نظري + عملي
5	تشريح	مرحلة ثانية	نظري + عملي
6			
7			



جامعة ديالى

كلية الطب

فرع التشريح والانسجة الطبية

المناهج الدراسية لمواد فرع التشريح

البايولوجي الطبي مرحلة

أولى

- 4-Preparing doctors who can take into account the human aspect of the patient.
- 5-General skills, employing special motivation and personal development.
- 6-Develop students' ability to deal with technical means
- 7-Develop the student's ability to deal with the Internet.
- 8-Develop the student's ability to deal with multimedia.
- 9-Develop the student's ability to dialogue and debate.

6-The structure of the course for theoretical and practice biology /first academic level / the first course

week	Hours	Required educational goals	Unit name and/or topic	education method	evaluation method
1	2		Cells make up living things	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
2	2		Cells make up living things	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
3	2		Cells make up living things	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
4	2		Cells make up living things	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
5	2		Membrane models Have Changed	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
6	2		Membrane models Have Changed	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
7	2		Membrane models Have Changed	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
8	2		Membrane models Have Changed	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)

Academic Description Of Biology For The First Academic Level

This summary provides a summary of the most important characteristics of the scheduled and expected learning outcomes of student achievement that show whether or not he or she has made maximum use of learning opportunities is correlating them with the description of the program

1-symbol	BIO204
2-Scientific Department / Center	Human anatomy
3-The number of study hours	biology... 60 hours theoretical // 60 hours practical // 15 hours tutorial
4-Academic Program Objectives	<ol style="list-style-type: none"> 1- Identification of the different cellular parts. 2- Describe the connection of different cellular parts and determine their functions. 3- Estimation of the normal values of biological activities in relation to different biological conditions. 4- Distinguishing between the normal and abnormal functions of the cellular parts. 5- Studying the sequence of biological events in the human body. 6- Studying the cell structure microscopically. 7- Apply the basic scientific building blocks he has acquired to conduct scientific research and medical studies.
5-Acquired skills	<ol style="list-style-type: none"> 1-Promote the student to research problems and find solutions to them. 2-Analyzing the results for use in learning. 3-Analysis and plans to deal with problems in the field of human medicine. 4-Supporting the continuous updating of his information by accessing the latest research..
• Teaching and learning methods	<ol style="list-style-type: none"> 1- Scientific and weekly surprise tests fixed. 2- In-class exercises and activities 3- Guide students to some websites.
• Evaluation Methods	<ol style="list-style-type: none"> 1- Daily theory exams 2- Daily practical laboratory exams 3- Theoretical and practical exam for half of the course and the end of the course 4- Oral exam
> Behavioral and value objectives	<ol style="list-style-type: none"> 1- Doctors can understand others and understand and treat pain 2- Doctors who can maintain an ethical standard and maintain medical information at a high level are considered 3- Preparations enable doctors to give priority to the patient.

		Variation		laboratories	(theoretical and practical)
	3	Practical Training			
9	2	Probability (Part 1)		Theoretical lectures and practical laboratories	Discussions, reports, tests and exams
	3	Practical Training	Energy		(theoretical and practical)
10	2	Probability (Part 2)		Theoretical lectures and practical laboratories	Discussions, reports, tests and exams
	3	Practical Training	Energy		(theoretical and practical)
11	2	Student's t-Test		Theoretical lectures and practical laboratories	Discussions, reports, tests and exams
	3	Practical Training	Energy		(theoretical and practical)
12	2	Chi-square Test (Part 1)		Theoretical lectures and practical laboratories	Discussions, reports, tests and exams
	3	Practical Training	Energy		(theoretical and practical)
13	2	Chi-square Test (Part 2)		Theoretical lectures and practical laboratories	Discussions, reports, tests and exams
	3	Practical Training	How Cells Acquired ATP		(theoretical and practical)
14	2	Correlation & Regression (Part 1)		Theoretical lectures and practical laboratories	Discussions, reports, tests and exams
	3	Practical Training	How Cells Acquired ATP		(theoretical and practical)
15	2	Correlation & Regression (Part 2)		Theoretical lectures and practical laboratories	Discussions, reports, tests and exams
	3	Practical Training	How Cells Acquired ATP		(theoretical and practical)

6-The structure of the course for theoretical and practice biology /first academic level/ the first course

week	Hours	Required educational goals	Unit name and/or topic	education method	evaluation method
1	2	Introduction & Definitions	Cells make up living things	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	3	Practical Training			
2	2	Data Collection	Cells make up	Theoretical	Discussions,

	3		laboratories	(theoretical and practical)
9	2		Theoretical lectures and	Discussions, reports, tests
	3	Energy	practical laboratories	and exams (theoretical and practical)
10	2		Theoretical lectures and	Discussions, reports, tests
	3	Energy	practical laboratories	and exams (theoretical and practical)
11	2		Theoretical lectures and	Discussions, reports, tests
	3	Energy	practical laboratories	and exams (theoretical and practical)
12	2		Theoretical lectures and	Discussions, reports, tests
	3	Energy	practical laboratories	and exams (theoretical and practical)
13	2		Theoretical lectures and	Discussions, reports, tests
	3	How Cells Acquired ATP	practical laboratories	and exams (theoretical and practical)
14	2		Theoretical lectures and	Discussions, reports, tests
	3	How Cells Acquired ATP	practical laboratories	and exams (theoretical and practical)
15	2		Theoretical lectures and	Discussions, reports, tests
	3	How Cells Acquired ATP	practical laboratories	and exams (theoretical and practical)

6-The structure of the course for theoretical and practice biology /first academic level/ the first course

week	Hours	Unit name and/or topic	education method	evaluation method
1	2	Cells make up living things	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	3			
2	2	Cells make up	Theoretical	Discussions,

12	2	Energy	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	3			
13	2	How Cells Acquired ATP	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	3			
14	2	How Cells Acquired ATP	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	3			
15	2	How Cells Acquired ATP	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	3			

7-The structure of the course for theoretical and practice biology /first academic level/ the second course

week	Hours	Unit name and/or topic	education method	evaluation method
1	2	Cells Divisions	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
2	2	Cells Divisions	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
3	2	Cells have a chromosome	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
4	2	Cells have a chromosome	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
5	2	Cells have a chromosome	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			

				practical)
6	2	Introducing Gregor Mendel	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
7	2	Introducing Gregor Mendel	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
8	2	Introducing Gregor Mendel	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
9	2	Chromosomes and genes	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
10	2	Chromosomes and genes	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
11	2	Considering the Chromosomes	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
12	2	Considering the Chromosomes	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
13	2	Searching for the Genetic Material	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
14	2	Searching for the Genetic Material	Theoretical lectures and practical laboratories	Discussions, reports, tests and exams (theoretical and practical)
	2			
15	2	What Genes Do	Theoretical lectures and practical	Discussions, reports, tests and exams

The AIM of the First course of BIOLOGY 1st stage

- **The students will be able to identifying the different cellular parts, the connection of different cellular parts and determine their functions, and the normal values of biological activities in relation to different biological conditions**

The AIM of the Second course of BIOLOGY 1st stage

- **The students will be able to identifying Distinguishing between the normal and abnormal functions of the cellular parts, Studying the sequence of biological events in the human body, and Studying the cell structure microscopically.**

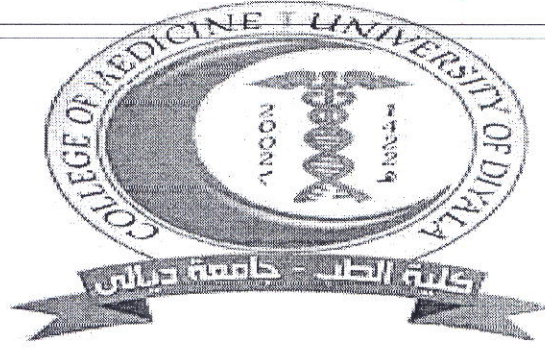
	2	Practical Training		laboratories	(theoretical and practical)
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8-Infrastructure of biology for the first academic level

1-Required course books	Medical Biology by Sylvia Madar
2- main references (sources)	Human Anatomy and Cellphysiology by Mc graw bill 17 th ed
3- Recommended books and references (scientific journals, reports)	All embryos books and magazines
4- Electronic references, websites	https://themdjourney.com/20-best-biology-books-for-medical-students/#The_Anatomy_Coloring_Book

8. Staff list

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جامعة ديالى

كلية الطب

فرع التشريح والانسجة الطبية
المناهج الدراسية لمواد فرع التشريح

التشريح المرحلة الاولى

Academic description of anatomy for the first academic level

This summary provides a summary of the most important characteristics of the scheduled and expected learning outcomes from student achievement that show whether or not he or she has made the most out of learning opportunities is correlated with the program description.

1- symbol
Anal01
2-Scientific Department / Center
Human anatomy
3-The number of study hours
Anatomy... 60 hours theoretical // 120 hours of practice
4-Academic Program Objectives
<ol style="list-style-type: none"> 1 -Differentiate between the upper, lower, and thoracic nerves 2 -Differentiate between the upper, lower and thoracic veins. 3 -Differentiate between the upper, lower and thoracic arteries. 4 -Differentiate between the muscles of the upper and lower extremities and the chest. 5- Differentiate between the bones of the upper and lower extremities and the chest.
5-Required program outcomes and methods of teaching, learning and assessment
<p>➤ Cognitive goals</p> <ol style="list-style-type: none"> 1 -Learning the basics of human physiology and its various vocabulary. 2 -Developing mental abilities through various modern academic and practical education methods 3 -Linking basic sciences with applied sciences in the future 4 -Giving lectures, tutorials and laboratory sessions. 5 -Enabling the student to use his full strength in observation and interpretation. 6 -Encouraging the student to constantly share and evaluate learning outcomes throughout the study period. 5 -Learn the method of scientific discussion. 6- Acquisition of laboratory skills.
<p>➤ Skills objectives of the program</p> <ol style="list-style-type: none"> 1 -Promote the student to research problems and find solutions to them. 2 -Analyzing the results for use in learning. 3 -Analysis and plans to deal with problems in the field of human medicine. 4- Supporting the continuous updating of his information by accessing the latest research.
<p>• Teaching and learning methods</p> <ol style="list-style-type: none"> 1 -Scientific and weekly surprise tests. 2 -In-class exercises and activities 3- Guide students to some websites.
<p>• Evaluation Methods</p> <ol style="list-style-type: none"> 1-Daily theory exams 2 -Daily practical laboratory exams 3 -Theoretical and practical exam for half of the course and the end of the course

4- Oral exam 5 -Practical exams.

6- Oral exams.

➤ **Behavioral and value objectives**

- 1 -Doctors can understand others and understand and treat pain
- 2 -Doctors who can maintain an ethical standard and maintain medical information at a high level are considered.
- 3 -Preparations enable doctors to give priority to the patient.
- 4 -Preparing doctors who can take into account the human aspect of the patient.
- 5 -General skills, employing special motivation and personal development:
- 6 -Develop students' ability to deal with technical means
- 7 -Develop the student's ability to deal with the Internet.
- 8 -Develop the student's ability to deal with multimedia.
- 9- To develop the student's ability to dialogue and debate

6-The structure of the course for theoretical and practice anatomy /first academic level / the first course

Week	Hours	Required educational goals	Unit name and/or topic	education method	evaluation method
1	2 theoretical 4 practical		Introduction (Terms of position & movement of Human body	Lecture+ lab	General question discussion + exam
2	4 practica 2 theoretical 1		-The human body Structure	Lecture+ lab	General question discussion + exam
3	4 practical 2 theoretical		Skin, fasciae Blood vessels	Lecture+ lab	General question discussion + exam
4	2 theoretical 4 practical		Muscles, Bones, Joints Nervous System	Lecture+ lab	General question discussion + +exam
5	4 practical 2 theoretical		Upper limb: Osteology of upper limb	Lecture+ lab	General question discussion + exam
6	2 theoretical 4 practical		Surface Anatomy Fasciae of upper limb Cutaneous nerves and Vessels	Lecture+ lab	General question discussion + exam
7	4 practical 2 theoretical		Pectoral region Axilla,	Lecture+ lab	General question

			Back Lymphatic drainage		discussion + exam
8	2 theoretical 4 practical			Lecture+ lab	General
			Brachial plexus Nerve injuries		question discussion + +exam
9	4 practical 2 theoretical		Arm (anterior & posterior	Lecture+ lab	General question discussion + exam
10	2 theoretical 4 practical		Forearm (Anterior & posterior compartment	Lecture+ lab	General question discussion + exam
11	4 practical 2 theoretical		Hand	Lecture+ lab	General question discussion + exam
12	2 theoretical 4 practical		Radiological Anatomy	Lecture+ lab	General question discussion + exam
13	4 practical 2 theoretical		Lower limb Osteology of lower limb	Lecture+ lab	General question discussion + exam
14	2 theoretical 4 practical		Surface Anatomy The fascia of the lower limb	Lecture+ lab	General question discussion + exam
15	4 practical 2 theoretical		Cutaneous vessels, nerves & lymphatic's	Lecture+ lab	General question discussion + exam

7-The structure of the course for theoretical and practice anatomy /first academic level / the second course					
Week	Hours	Required educational goals	Unit name and/or topic	education method	evaluation method
1	2 theoretical 4 practical		Gluteal region Post compartment thigh	Lecture+ lab	General question

()

			Popliteal fossa		discussion + exam
2	4 practica 2 theoretical 1		Ant. compartment thigh Med. compartment thigh Lumbar plexus	Lecture+ lab	General question discussion + exam
3	4 practical 2 theoretical		Leg	Lecture+ lab	General question discussion + exam
4	2 theoretical 4 practical		Foot Arches of foot	Lecture+ lab	General question discussion + exam
5	4 practical 2 theoretical		Radiological Anatomy	Lecture+ lab	General question discussion + exam
6	2 theoretical 4 practical		Thorax Thoracic walls Osteology	Lecture+ lab	General question discussion + exam
7	4 practical 2 theoretical		Muscles Nerves & vessels	Lecture+ lab	General question discussion + exam
8	2 theoretical 4 practical		Thoracic cavity Pleura, lungs	Lecture+ lab	General question discussion + exam
9	4 practical 2 theoretical		Mediastinum Superior mediastinum	Lecture+ lab	General question discussion + exam
10	2 theoretical 4 practical		Heart Pericardium	Lecture+ lab	General question discussion + exam
11	4 practical 2 theoretical		Heart chambers Conducting system	Lecture+ lab	General question discussion + exam
12	2 theoretical 4 practical		Post. Mediastinum Joints, Movements	Lecture+ lab	General question discussion + exam
13	4 practical		Radiological Anatomy	Lecture+ lab	General

	2 theoretical				question discussion + exam
14	2 theoretical 4 practical		Gluteal region	Lecture+ lab	General question discussion + exam
15	4 practical 2 theoretical		Post compartment thigh Popliteal fossa	Lecture+ lab	General question discussion + exam

8-Infrastructure of anatomy for the first academic level	
1-Required course books	Clinical Anatomy For Medical Students, by Richard S. Snell, Williams and Wilkins Cunningham"s Manual Of Practical Anatomy, Three Volumes, By G.J.Romanes: Oxford.Medical.Publications
2- main references (sources)	All human anatomy books and magazines
3- Recommended books and references (scientific journals, reports)	All human anatomy books and magazines
4- Electronic references, websites	https://themdjourney.com/20-best-anatomy-and-physiology-books-for-medical-students/#The Anatomy Coloring Book

The AIM of the First course of anatomy 1st stage

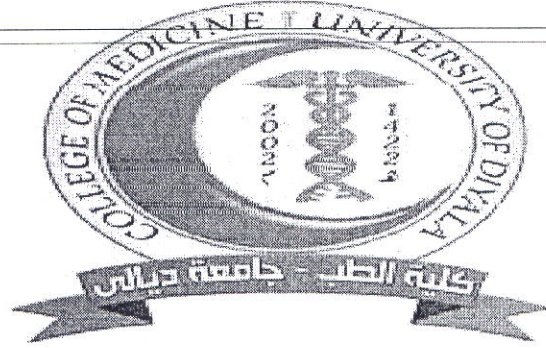
- The students will be able to identifying the anatomical structure of Lower limb,
- Identifying the meaning of positions and movements

The AIM of the Second course of anatomy 1st stage

- The students will be able to identifying the anatomical structure of Upper limb, thorax

8. Staff list

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كلية الطب

فرع التشريح والانسجة الطبية

المناهج الدراسية لمواد فرع التشريح

التشريح المرحلة الثانية

Academic Description Of Anatomy For The Second Academic Level

This summary provides a summary of the most important characteristics of the scheduled and expected learning outcomes of student achievement that show whether or not he or she has made maximum use of learning opportunities is correlated with the program description.

1-symbol
Ana212
2-Scientific Department / Center
Human anatomy
3-The number of study hours
Anatomy... 60 hours theoretical // 120 hours of practice
4-Academic Program Objectives
<ul style="list-style-type: none"> 1-Differentiate between the abdominal component. 2 -Differentiate between the components of the aquarium 3 -Differentiate between the component of the head. 4 -Differentiate between the components of the neck 5- Differentiate between the components of the brain and spinal cord.
5-Required program outcomes and methods of teaching, learning and assessment
<ul style="list-style-type: none"> ➤ Cognitive goals <ul style="list-style-type: none"> .Promote the student to research problems and find solutions to them -1 .Analyzing the results for use in learning -2 .Analysis and plans to deal with problems in the field of human medicine -3 4- Supporting the continuous updating of his information by accessing the latest research. ➤ Skills objectives of the program <ul style="list-style-type: none"> 1 -Promote the student to research problems and find solutions to them. 2 -Analyzing the results for use in learning. 3 -Analysis and plans to deal with problems in the field of human medicine. 4- Supporting the continuous updating of his information by accessing the latest research. • Teaching and learning methods <ul style="list-style-type: none"> 1 -Scientific and weekly surprise tests. 2 -In-class exercises and activities 3- Guide students to some websites. • Evaluation Methods <ul style="list-style-type: none"> 1-Daily theory exams 2 -Daily practical laboratory exams 3 -Theoretical and practical exam for half of the course and the end of the course

4- Oral exam

➤ Behavioral and value objectives

- Physicians can understand others, recognize the extent of pain, and treat it
- 2 -Doctors who can maintain an ethical standard and maintain medical information at a high level are considered.
 - 3 -Preparations enable doctors to give priority to the patient.
 - 4 -Preparing doctors who can take into account the human aspect of the patient.
 - 5 -General skills, employing special motivation and personal development:
 - 6 -Develop students' ability to deal with technical means
 - 7 -Develop the student's ability to deal with the Internet.
 - 8 -Develop the student's ability to deal with multimedia.
 - 9 - Develop the student's ability to dialogue and debate.

6-The structure of the course for theoretical and practice anatomy /second academic level / the first course

Week	Hours		Unit name and/or topic	education method	evaluation method
1	2 theoretical 4 practical		Anterior abdominal wall Male external genitalia	Lecture+ lab	General question discussion + exam
2	4 practica 2 theoretical 1		Abdominal cavity Peritoneum	Lecture+ lab	General question discussion + exam
3	4 practical 2 theoretical		Abdominal viscera	Lecture+ lab	General question discussion + exam
4	2 theoretical 4 practical		Diaphragm Post. Abdominal wall	Lecture+ lab	General question discussion + exam
5	4 practical 2 theoretical		Blood supply of abdomen & Pelvis Autonomic supply Lymphatic drainage	Lecture+ lab	General question discussion + exam
6	2 theoretical 4 practical		Bony pelvis Pelvic walls Female external genitalia	Lecture+ lab	General question discussion + exam
7	4 practical 2 theoretical		Pelvic viscera	Lecture+ lab	General question discussion +

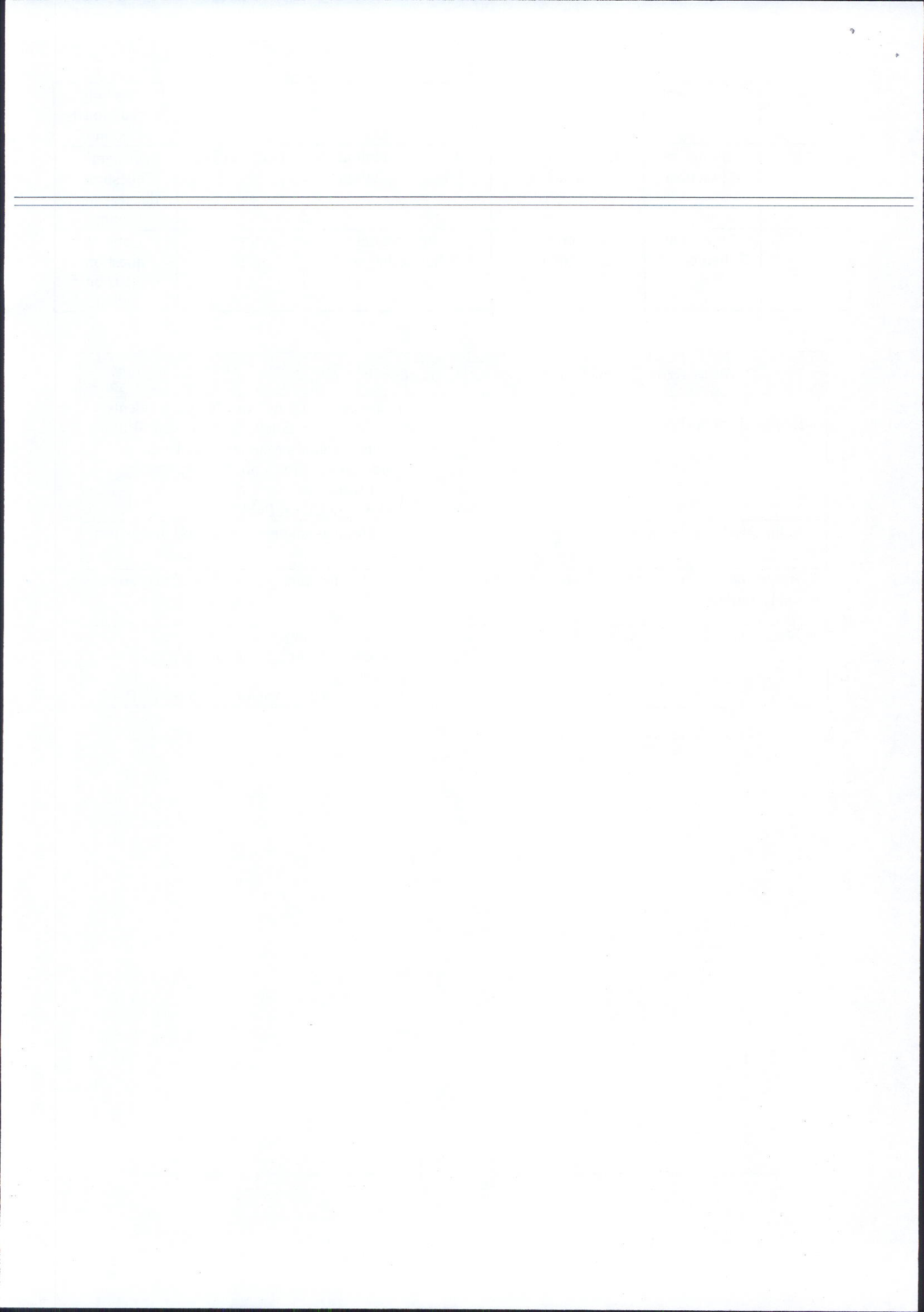
8	2 theoretical 4 practical		Perineum	Lecture+ lab	exam General question discussion + exam
9	4 practical 2 theoretical		Vessels, nerves of pelvis & perineum	Lecture+ lab	General question discussion + exam
10	2 theoretical 4 practical		Head & neck skull	Lecture+ lab	General question discussion + exam
11	4 practical 2 theoretical		Vertebral column Cervical vertebrae	Lecture+ lab	General question discussion + exam
12	2 theoretical 4 practical		Face, Muscles Blood & Nerve supply Lymphatic drainage scalp	Lecture+ lab	General question discussion + exam
13	4 practical 2 theoretical		Neck, surface anatomy Structural organization Fasciae of Neck Triangles & contents	Lecture+ lab	General question discussion + exam
14	2 theoretical 4 practical		Cranial Meninges Folds of dura mater venous sinuses	Lecture+ lab	General question discussion + exam
15	4 practical 2 theoretical		Orbit Lacrimal apparatus	Lecture+ lab	General question discussion + exam

7-The structure of the course for theoretical and practice anatomy /second academic level / the second course					
Week	Hours		Unit name and/or topic	education method	evaluation method
1	2 theoretical 4 practical		Temporal & infra temporal fossae Tempromandibular joint	Lecture+ lab	General question discussion + exam
2	4 practica		The root of Neck	Lecture+ lab	General

	2 theoretical		Thyroid & Parathyroid		question discussion + exam
3	4 practical 2 theoretical		Cranial nerves Examination injuries	Lecture+ lab	General question discussion + exam
4	2 theoretical 4 practical		Lymphatic drainage Oral cavity, pharynx Larynx	Lecture+ lab	General question discussion + +exam
5	4 practical 2 theoretical		Nose, Pterygopalatine fossa ear	Lecture+ lab	General question discussion + exam
6	2 theoretical 4 practical		Cervical plexus Autonomic nerve supply head & neck	Lecture+ lab	General question discussion + exam
7	4 practical 2 theoretical		Introduction-CNS parts, Divisions, Components Functional	Lecture+ lab	General question discussion + exam
8	2 theoretical 4 practical		Blood supply of brain & spinal cord Spinal cord	Lecture+ lab	General question discussion + +exam
9	4 practical 2 theoretical		Brain stem Cranial nerve nuclei	Lecture+ lab	General question discussion + exam
10	2 theoretical 4 practical		Cerebellum Diencephalon	Lecture+ lab	General question discussion + exam
11	4 practical 2 theoretical		Cerebral hemispheres Cortex White mater Lateral ventricle	Lecture+ lab	General question discussion + exam
12	2 theoretical 4 practical		Extrapyramidal system Limbic system	Lecture+ lab	General question discussion + exam
13	4 practical	Identify the Major	Major pathways	Lecture+ lab	General

	2 theoretical	pathways			question discussion + exam
14	2 theoretical 4 practical	Identify the C.S.F circulation, hydrocephalus	C.S.F circulation, hydrocephalus	Lecture+ lab	General question discussion + exam
15	4 practical 2 theoretical	Intracranial hemorrhages	Intracranial hemorrhages	Lecture+ lab	General question discussion + exam

8-Infrastructure of anatomy for the second academic level	
1-Required course books	Clinical Anatomy For Medical Students, by Richard S. Snell, Williams and Wilkins Cunningham"s Manual Of Practical Anatomy, Three Volumes, By G.J.Romanes: Oxford.Medical.Publications
2- main references (sources)	All human anatomy books and magazines
3- Recommended books and references (scientific journals, reports)	All human anatomy books and magazines
4- Electronic references, websites	https://themdjourney.com/20-best-anatomy-and-physiology-books-for-medical-students/#The Anatomy Coloring Book



The AIM of the First course of anatomy 2nd stage

- **The students will be able to identifying the anatomical structure of abdomen and its components**

The AIM of the Second course of anatomy 2nd stage

- **The students will be able to identifying the anatomical structure of head, neck, brain and spinal cord**

8. Staff list

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Educational Programs General Histology

Second Stage / College Of Medicine

Academic Year 2022/2021

Educational program of histology for the second academic level

This summary presents a summary of the educational program and the most important outcomes in the field of scheduled and expected learning from the student's achievement, which shows whether he has made maximum use of learning opportunities, and the goal of the academic educational program is to promote the student to research problems and find solutions to them and analyze the results to benefit from them in learning. Analysis and plans to deal with problems in the field of human medicine and support continuous updating of its information through access to the latest research.

1-symbol

HIS205

2-Scientific Department / Center

Human anatomy

3-The number of study hours

Histology... 60 hours theoretical // 60 hours of practice

4-Academic Program Objectives

- 1-Distinguish the cell component using light microscopy.
- 2 -Differentiation between different body tissues using a light microscope.
- 3 -Connecting cell structure, structure and tissues.
- 4 -The student participates in scientific discussions and presents them with confidence and consistency.
- 5 -Students gain experience in examining samples with different magnifications by drawing illustrations for each type of cell.
- 6- Keeping pace with scientific developments in the field of cells, tissues, and others.

5- Behavioral and value objectives

- 1 -Doctors can understand others and understand and treat pain
- 2 -Doctors who can maintain an ethical standard and maintain medical information at a high level are considered.
- 3 -Preparations enable doctors to give priority to the patient.
- 4 -Preparing doctors who can take into account the human aspect of the patient.

7- Histology syllabus for theoretical and practice histology /second academic level / the second course

Week	Hours	Required educational goals	Unit name and/or topic	education method	evaluation method
1	2 theoretical 2 practical	Identify the lymphoid organ and tissue responsible for immunity of the body	Lymphoid organ	Lecture+ lab	General question discussion + exam
2	2 practical 2 theoretical	Identify the digestive system and explain the digest and absorb in the organ of this system	Digestive system I	Lecture+ lab	General question discussion + exam
3	2 practical 2 theoretical	Digestive Tract; General structure, the oral cavity and tongue. Pharynx and esophagus.	Digestive system II	Lecture+ lab	General question discussion + exam
4	2 theoretical 2 practical	Stomach and Small intestine Large intestine & appendix	Digestive system III	Lecture+ lab	General question discussion + exam
5	2 practical 2 theoretical	Identify the organs which associated with digestive tract	Organs associated with digestive tract	Lecture+ lab	General question discussion + exam

6	2 theoretical 2 practical	Identify the parts of the respiratory system	The respiratory system I	Lecture+ lab	General question discussion + exam
7	2 practical 2 theoretical	Respiratory System; Nasal cavity, larynx and trachea.	The respiratory system II	Lecture+ lab	General question discussion + exam
8	2 theoretical 2 practical	Respiratory System The Lung Bronchial tree.	The respiratory system III	Lecture+ lab	General question discussion + exam
9	2practical 2 theoretical	Identify the layers of the skin and the glands, hair and , nail	Skin	Lecture+ lab	General question discussion + exam
10	2 theoretical 2 practical	Identify The Urinary System The Kidney and blood supply.	The Urinary System I	Lecture+ lab	General question discussion + exam
11	2practical 2 thiooretical	Identify nephrons Ureter, urinary bladder, urethra	The Urinary System II	Lecture+ lab	General question discussion + exam
12	2 theoretical 2 practical	Identify the glands and its structure	Endocrine glands	Lecture+ lab	General question discussion + exam
13	2practical 2 theoretical	Identify the parts of the male reproductive	Male reproduction	Lecture+ lab	General question discussion + exam

		and their structure			
14	2 theoretical 2 practical	Identify the parts of the female reproductive and its structure	Female reproductive	Lecture+ lab	General question discussion + exam
15	2practical 2 theoretical	Identify the ear and the eye	Photoreceptors and audio receptors	Lecture+ lab	General question discussion + exam

8-Infrastructure of histology for the second academic level

1-Required course books	-Human Anatomy and cell physiology by Mcgraw hill 17 th ed -diFIORE'S ATLAS OF HISTOLOGY WITH FUNCTIONAL CORRELATIONS by Victor P. Eroschenko, PhD - Junqueira LC & Carneiro J (2005): Basic Histology; Text & Atlas. 11th ed. McGraw-Hill Medical. New York. -Leeson TS, Leeson CR & Paparo AA (1988): Text/Atlas of Histology. WB Saunders. USA.
2- main references (sources)	All human histology books and magazines
3- Recommended books and references (scientific journals, reports)	All human histology books and magazines
4- Electronic references, websites	https://themdjourney.com/20-best-histology-and-physiology-books-for-medical-students/#The Anatomy Coloring Book

- 5 -General skills, employing special motivation and personal development:
- 6 -Develop students' ability to deal with technical means
- 7 -Develop the student's ability to deal with the Internet.
- 8 -Develop the student's ability to deal with multimedia.
- 9 - Develop the student's ability to dialogue and debate.

• **Teaching and learning methods**

- 1 Scientific and weekly surprise tests fixed.
- 2 -In-class exercises and activities
- 3- Guide students to some websites.

• **Evaluation Methods**

- 1 -Daily theory exams
- 2 -Daily practical laboratory exams
- 3 -Theoretical and practical exam for half of the course and the end of the course
- 4- Oral exam

Histology syllabus

6- Histology syllabus for theoretical and practice histology /second academic level / the first course

Week	Hours	Required educational goals	Unit name and/or topic	education method	evaluation method
1	2 theoretical 2 practical	Microscopy & their types. Primary tissue & their role in formation of tissue.	Introduction to the histology	Lecture+ lab	General question discussion + exam
2	2 practical 2 theoretical	Teaching the student what is the meaning of tissue and its forms ,the cells which covered the body from outside and	Epithelial tissue	Lecture+ lab	General question discussion + exam

		lining from inside .			
3	2 practical 2 theoretical	Modification unit for epithelial tissue. Exocrine glands & their classification.	Epithelial gland.	Lecture+ lab	General question discussion + exam
4	2 theoretical 2 practical	Identify the tissue which connect the tissue together and its types .	Connective tissue	Lecture+ lab	General question discussion + +exam
5	2 practical 2 theoretical	Identify the cells & fibers and its types	Cells of connective tissue	Lecture+ lab	General question discussion + exam
6	2 theoretical 2 practical	Identify the adipose cell and recognize it from other cell types	Adipose tissue	Lecture+ lab	General question discussion + exam
7	2 practical 2 theoretical	Identify the types of cartilage and its distribution in the body	Cartilage	Lecture+ lab	General question discussion + exam
8	2 theoretical 2 practical	Identify the bone tissue and its types	Bone	Lecture+ lab	General question discussion + +exam
9	2 practical 2 theoretical	The central & peripheral nerves system	Nervous system	Lecture+ lab	General question discussion + exam
10	2 theoretical 2 practical	Identify the nervous tissue and its types	Nerve tissue	Lecture+ lab	General question discussion

		and explains the nervous impulse reach to rest body			+ exam
11	2practical 2 theoretical	Identify the types of muscles and differences between them as longitudinal and transverse section	Muscle tissue	Lecture+ lab	General question discussion + exam
12	2 theoretical 2 practical	Identify the blood vascular system and its main function and	Circulatory system I	Lecture+ lab	General question discussion + exam
13	2practical 2 theoretical	The types of artery and vein.	Circulatory system II	Lecture+ lab	General question discussion + exam
14	2 theoretical 2 practical	Identify the types, shape and function of blood cells and the number of each type.	Blood cell	Lecture+ lab	General question discussion + exam
15	2practical 2 theoretical	Identify the way of derived of the blood cell from stem cell and differentiate of a blood cell	hematopoiesis	Lecture+ lab	General question discussion + exam

The AIM of the First course of HISTOLOGY 2nd stage

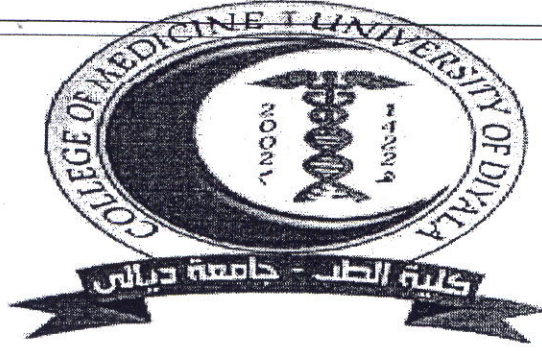
- **The students will be able to identifying cell component, Cell types and the main types of tissues.**

The AIM of the Second course of HISTOLOGY 2nd stage

- **The students will be able to identifying the tissue organs components and its structures**

The staff of histology in the anatomy branch of the second stage

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جامعة ديالى

كلية الطب

فرع التشريح والانسجة الطبية

المناهج الدراسية لمواد فرع التشريح

الأستاذ

Academic description of embryology for the second academic level

This summary provides a summary of the most important characteristics of the scheduled and expected learning outcomes from student achievement that show whether or not he or she has made the most out of learning opportunities is correlated with the program description.

1-symbol
EMB206
2-Scientific Department / Center
Human anatomy
3-The number of study hours
embryology... 60 hours theoretical // there is no practical
4-Academic Program Objectives
<ol style="list-style-type: none"> 1 -Introduction to the regulation of molecular signals. 2 -Converting the gynogenesis of germ cells to males and females. 3 -The first week of development: from ovulation to implantation. 4 -The second week of the development of the bacterial disc B laminar 5 -The third week of development: a triple germinal disc. 6- Gastrointestinal tube and body cavities.
4-Acquired skills
<ol style="list-style-type: none"> 1 -Promote the student to research problems and find solutions to them; 2 -Analyzing the results for use in learning. 3 -Analysis and plans to deal with problems in the field of human medicine. 4- Supporting the continuous updating of his information by accessing the latest research.
<ul style="list-style-type: none"> • Teaching and learning methods
<ol style="list-style-type: none"> -1 Scientific and weekly surprise tests fixed. 2 -In-class exercises and activities 3- Guide students to some websites.
<ul style="list-style-type: none"> • Evaluation Methods
<ol style="list-style-type: none"> 1 -Daily theory exams 2 -Daily practical laboratory exams 3 -Theoretical and practical exam for half of the course and the end of the course 4- Oral exam
<ul style="list-style-type: none"> ➤ Behavioral and value objectives
<ol style="list-style-type: none"> 1 -Doctors can understand others and understand and treat pain 2 -Doctors who can maintain an ethical standard and maintain medical information at a high level are considered. 3 -Preparations enable doctors to give priority to the patient.

4 -Preparing doctors who can take into account the human aspect of the patient.

5 -General skills, employing special motivation and personal development.

6 -Develop students' ability to deal with technical means

7 -Develop the student's ability to deal with the Internet.

8 -Develop the student's ability to deal with multimedia.

9 - Develop the student's ability to dialogue and debate.

5-The structure of the course for theoretical embryology /second academic level / the first course

Week	Hours	Unit name and/or topic	education method	evaluation method
1	1	Introduction to embryology	Lecture	General question discussion + exam
2	1	molecular regulation signaling	Lecture	General question discussion + exam
3	1	Gametogenesis	Lecture	General question discussion + exam
4	1	conversion of germ cell into male	Lecture	General question discussion + exam
5	1	male gametes	Lecture	General question discussion + exam
6	1	conversion of germ cell into female	Lecture	General question discussion + exam
7	1	female gametes	Lecture	General question discussion + exam
8	1	First week to development to Ovulation	Lecture	General question discussion + exam
9	1	Fertilization	Lecture	General question discussion + exam

10	1		Implantation	Lecture	General question discussion + exam
11	1		Cleavage zygote	Lecture	General question discussion + exam
12	1		First week to development: Ovulation to implantation	Lecture	General question discussion + exam
13	1		The second week of development Bilaminar germ disc	Lecture	General question discussion + exam
14	1		Third week of development: Trilaminar germ disc	Lecture	General question discussion + exam
15	1		Third to eighth week the embryonic period	Lecture	General question discussion + exam

** there is no practice

6-The structure of the course for theoretical embryology /second academic level/ the second course					
Week	Hours		Unit name and/or topic	education method	evaluation method
1	1		embryo from the 4 th -8 th weeks.	Lecture	General question discussion + exam
2	1		The human fetus. And fetal membranes.	Lecture	General question discussion + exam
3	1		The gut tube	Lecture	General question discussion + exam
4	1		the body cavities	Lecture	General question discussion + exam
5	1	month to birth	Third month to birth	Lecture	General question

				discussion + exam
6	1		Placenta	Lecture General question discussion + exam
7	1		Somitogenesis	Lecture General question discussion + exam
8	1		Myogenesis	Lecture General question discussion + exam
9	1		Scheduled examination.	Lecture General question discussion + exam
10	1		the fetus	Lecture General question discussion + exam
11	1		Teratology The	Lecture General question discussion + exam
12	1		birth defects.	Lecture General question discussion + exam
13	1		prenatal diagnosis	Lecture General question discussion + exam
14	1		Postnatal diagnosis	Lecture General question discussion + exam
15	1		exam	Lecture General question discussion + exam

** there is no practice

The AIM of the First course of EMBRIOLOGY 2nd stage

- **The students will be able to identifying the regulation of molecular signals., Converting the gynogenesis of germ cells to males and females**

The AIM of the Second course of EMBRIOLOGY 2nd stage

- **The students will be able to identifying development: from ovulation to implantation, the development of the bacterial disc B laminar, a triple germinal disc, AND Gastrointestinal tube and body cavities.**

7-Infrastructure of embryology for the second academic level	
1-Required course books	Medical Embryology
2- main references (sources)	Color Atlas of Embryology. Drews 1995- Developmental Biology. Gilbert 2003--2 2006
3- Recommended books and references (scientific journals, reports)	All embryos books and magazines
4- Electronic references, websites	https://themdjourney.com/20-best-embryology-books-for-medical-students/#The_Anatomy_Coloring_Book