Republic of Iraq
Ministry of Higher Education & Scientific Research Supervision and Scientific Evaluation Directorate Quality Assurance and Academic Accreditation International Accreditation Dept.

Academic Program Specification Form
For The Academic

University: Basrah
College : medical college
Number Of Departments In The College
6
Date Of Form Completion :21 / 9 / 2021

Dean 's Name
Date : / /

Signature

Dean 's Assistant For Scientific Affairs
Date : / /
Signature

The College Quality Assurance And University Performance Manager
Date : 11 / 8 / 2022
Signature

Quality Assurance And University Performance Manager Date : / /
Signature

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TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Program Specification provides a concise summary of the main features of the program and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the program.

1. Teaching Institution	University of Basrah
2. University Department/Centre	department of Human anatomy
3. Program Title	Human anatomy,Histology,Biology &Embryology
4. Title of Final Award	M. B. Ch. B.
5. Modes of Attendance offered	annual
6. Accreditation	Quality assurance
7. Other external influences	
8. Date of production/revision of this specification	21 / 9 / 2021

9. Aims of the Program

1-Knowledge of the natural structures , organs and internal structures of the human body, their locations and connections through Dissection and other means such as plastinated cadavers and plastic models, and showing educational films, radiology(xray films) and magnetic resonance films(MRI)..
2- Providing students with knowledge of the appropriate and necessary ethics for professional education to deal with cadavers and humans

3- Students know how to link anatomical facts with their clinical applications, They link anatomy for pre - clinical and clinical stages.

4- Students' knowledge of the types and shapes of tissues and their relationship to their function for all parts of the body and all the organs that make up the human body

5- Providing students with basic knowledge and information in embryology

6- Students' knowledge of the formation and growth of body organs and systems during the normal and

abnormal developmental stages of the fetus, with reference to how congenital malformations occur 7- Students' knowledge of cell components and their functions and how to multiply with the study of the molecular biology entrance 8- Knowing the basics of genetics and studying some genetic diseases

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Cognitive goals

A1-Teaching and learning the surface anatomical signs of the body that indicate the locations of bones, muscles, tendons, blood vessels, nerves and other internal organs

A2- To link the basic sciences of anatomy with the manifestations of pathological conditions in order to reach the correct diagnosis

A3- Application of anatomical facts in clinical applications

A4- Morphological knowledge of all body tissues and linking them to their function and their relationship to histological changes in pathological cases

A 5- Knowing the manifestations and signs of diseases and their relationship to the stages of genetic development

A6- Morphological knowledge of all cell organelles and their relationship to their function, location and numbers .

B. The skills goals special to the programme .

B1-Determination of anatomical surface signs and their relationship to bones, tendons, muscles and internal structures in the body

B 2- Recognizing and identifying anatomical structures such as muscles, nerves and blood vessels in plastinated and plastic models, in addition to identifying them in x-ray and MRI sections.

B3 - How to use the microscope to diagnose and examine the various tissue samples of the body

B4 Distinguishing body tissues and linking them to their function and their relationship to histological changes in pathological cases

B 5- Distinguishing between the normal human embryonic formation from the abnormal

Teaching and Learning Methods

1- Giving lectures in the form of PowerPoint, displaying educational films, using plastinated and plastic models, various anatomical sections of the brain, x-ray films, magnetic resonance imaging, using modern microscopes to display tissue slides in practical lessons, and students' participation during discussions .while teaching in small groups in practical laboratories

2-Students participate in interactive lectures in theoretical and practical lessons

Assessment methods

1- Monthly exams for the first semester, in addition to (continuous quiz exams during practical lessons after showing educational films, practical evaluation after viewing the practical lesson material (evaluation form), training through (Log book) and video lectures
2-The mid-year exam, theoretical and practical
3-Monthly exams for the first and second semesters, in addition to (continuous quiz exams during practical lessons after showing educational films, practical evaluation after viewing the practical lesson material (evaluation form), training through (Log book) and video lectures
4-Theoretical and practical end-of-year exam

C. Affective and value goals

C1-How to deal and respect the cadavers as a humanitarian introduction to dealing with the human
C2- Teaching the appropriate and necessary ethics for professional dealing with human beings

Teaching and Learning Methods

Discussing with students the correct and ethical handling of anatomical samples according to medical professional behavior

Assessment methods

Practical daily tests

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1- Adopting the principles of medical professional lifelong learning (continuing professional development).

Teaching and Learning Methods

1- Using computer efficiency to access biomedical information to keep communicating with the progress of knowledge and practice

2-Provide information (lectures) clearly written on the website

3-Communicate and work effectively with a multidisciplinary team

Assessment Methods

practical exams

11. Program Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
1st year	**Medical biology**	**Medical biology**	**60**	Bachelor Degree Requires (x) credits
		Introduction	1	
		Chemistry of cell (inorganic &organic molecules)	2	
		Molecular organization of plasma membrane	1	
		Modification of plasma membrane	1	
		Transport across the plasma membrane	1	
		Structure and Function of nucleus	2	
		Cytoplasm (Cytoskeleton, Cytosol and cytoplasmic inclusion)	1	

		Cell organelles	4	
		Cell cycle division Mitosis & Meiosis	2	
		Cell differentiation and specialization	1	
		Cell differentiation and cell death	1	
		Epithelial Tissue	2	
		Glandular Tissue	1	
		Cell Junction	1	
		Connective Tissue	2	
		classification of connective tissue	2	
		Blood	1	
		Cartilage Tissue	1	
		Bone and Ossification	2	
		Muscular Tissue	2	
		Nervous Tissue	2	
		Mendelian Genetics	1	
		Extensions and Exceptions to Mendel's Laws (Non-Mendelian Genetics)	2	
		Normal and abnormal Human chromosomes	3	
		Molecular genetics	3	
		Gene mutation	1	
		Gene repair	1	
		Genetic engineering	1	

1	**Anatomy**	**Upper limb Lower limb &chest**	90 theorotical +60 practicle
		Introduction	1
		Terminology	1
		Body cavities &regions	1
		Fascia &skin appendages	1
		Muscles ,tendons & ligaments	1
		Joints ,bones and cartilages	1
		Outline of preservation of human cadavers	1
		Upper limbs	13
		Lower limbs	12
		Thorax	8
2nd year	**Anatomy**	**Head , neak , abdomen & Neuroanatomy**	**120 theorotical +60 practical**
	16	**Head & neck**	
	15	**Abdomen**	
	3	**Larynx,phaynx,nois,ear & orbit**	
	2	**pelvis**	
	6	**neuroanatomy**	
2nd year	**Histology**	**Histology**	**60 theorotical+ 60 practical**
		Vascular system	4

		The skin and its appendages	2	
		Lymphatic system	4	
		Hemopoiesis	2	
		Digestive system	8	
		Nervous system	6	
Histology		**Respiratory system**	2	
		The endocrine system	4	
		The urinary system	3	
		Female reproductive system	4	
		Male reproductive system	2	
		Mammary glands	1	
		Special sense organs	4	
2nd year		**Embryology**	**30 theoretical**	
Embryology		**Introduction**	1	
		Gametogenesis	1	
		Morphological changes during gamete maturation	1	
		Spermatogenesis	1	
		Fertilization	1	
		2nd week development	1	
		Differentiation of germ layers	1	
		Differentiation of mesoderm	1	
		Endoderm	1	

		Formation of deciduas	2	
		Congenital malformation	1	
		Skeletal system	1	
		Muscular system	1	
		Body cavities & serous membranes	1	
		Cardiovascular system	3	
		Formation and position and heart tube	4	
		Respiratory system	1	
		Digestive system	2	
		Urogenital system	1	
		Genital system	1	
		Head & neck	1	
		Eye & ear	1	
		Central nervous System	1	

13. Personal Development Planning

1-Using computer efficiency to access biomedical information to keep communicating with the progress of knowledge and practice

2- Communicate and work effectively with a multidisciplinary team

14. Admission criteria .

Central Admission Policy at the Ministry of Higher Education

15. Key sources of information about the programme

1- **Modern systematic books on anatomy, tissues, embryos, cell and genetics with the use of the Internet**

2- Clinical Anatomy by regions. Richards Snell.eighth edition.

3- Clinical Neuroanatomy. Richards Snell. seventh edition.

4- Junqueira's Basic Histology. Anthony L Mesher. 12th edition.

5- Medical Embryology.T.W.Sadler Twelfth edition.

6- Cell Biology Pollard and Earnshaw.2nd edition.

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) Title or Option (O)	Knowledge and understanding				Subject-specific skills				Thinking Skills				General and Transferable Skills (or) Other skills relevant to employability and personal development			
				A1	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**	**D1**	**D2**	**D3**	**D4**
2nd year		Anatomy		*	*	*		*	*			*	*	*		*			*
		Histology					*				*	*	*	*		*			*
		Embryology																	
1st year		Anatomy																	
		Biology				*				*		*	*	*		*			*

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	
2. University Department/Centre	
3. Course title/code	
4. Modes of Attendance offered	
5. Semester/Year	
6. Number of hours tuition (total)	
7. Date of production/revision of this specification	
8. Aims of the Course	

9· Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Cognitive goals . A1. A2. A3. A4. A5. A6 .
B. The skills goals special to the course. B1. B2. B3.
Teaching and Learning Methods
Assessment methods
C. Affective and value goals C1. C2. C3. C4.
Teaching and Learning Methods
Assessment methods

D. General and rehabilitative transferred skills(other skills relevant to employability and personal development) D1. D2. D3. D4.

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method

11. Infrastructure	
1. Books Required reading:	
2. Main references (sources)	
A- Recommended books and references (scientific journals, reports…).	
B-Electronic references, Internet sites…	

12. The development of the curriculum plan