



Ministry of Higher Education and  
Scientific Research - Iraq  
University of Kerbala  
College of Applied of Medical Sciences  
Department of Clinical Laboratories



## MODULE DESCRIPTOR FORM

### نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	HUMAN ANATOMY		Module Delivery	
Module Type	CORE		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar	
Module Code	CLA1207			
ECTS Credits	7			
SWL (hr/sem)	175			
Module Level	1	Semester of Delivery		2
Administering Department	Type Dept. Code	College	Type College Code	
Module Leader	Assist. Prof. Dr. Diyar Mohammed Hussein Kadium		e-mail	<a href="mailto:dmh201094@mu.edu.iq">dmh201094@mu.edu.iq</a>
Module Leader's Acad. Title	Professor	Module Leader's Qualification	Ph.D.	
Module Tutor		e-mail		
Peer Reviewer Name		e-mail		
Review Committee Approval		Version Number		

Relation With Other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	Human Cytology	Semester	1
Co-requisites module	none	Semester	-

## Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p><b>Module Aims</b> أهداف المادة الدراسية</p>	<p><b>At the end of the course the students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Recognize of the body's cells, tissues, organs and systems.</li> <li>• Clarify the mechanism of the normal body functions.</li> <li>• Interpret the relation between structures and functions of the different parts of the body.</li> <li>• Identify the anatomical feature of the different parts of the body.</li> </ul>
<p><b>Module Learning Outcomes</b> مخرجات التعلم للمادة الدراسية</p>	<ul style="list-style-type: none"> <li>• An overview of Human Body.</li> <li>• Tissue Structure and Function - General Review.</li> <li>• The Integumentary System. Basic Structure of the Skin. Accessory Organs of the Skin. Plotting the Distribution of Sweat Glands. Dermography: Fingerprinting.</li> <li>• Overview of the Skeleton: Classification and Structure of Bones and Cartilages. The Axial Skeleton. The Appendicular Skeleton.</li> <li>• Classification of Skeletal Muscles, The Neuromuscular Junction. Muscles of the Head and Neck. Muscles of the Trunk. Muscles of the Upper Limb. Muscles of the Lower Limb.</li> <li>• Composition of Blood, Gross Anatomy of the Human Heart, Microscopic Anatomy of Cardiac Muscle, and Anatomy of Blood Vessels.</li> <li>• The Lymphatic System, Studying the Microscopic Anatomy of a Lymph Node, the Spleen, and a Tonsil.</li> <li>• Gross Anatomy and Basic Function of the Endocrine Glands, Microscopic Anatomy of Selected Endocrine Glands.</li> <li>• Nerve Anatomy, The Human Brain, Cranial Nerves, Anatomy of the Spinal Cord, Spinal Nerves and Nerve Plexuses, Parasympathetic and Sympathetic Divisions.</li> <li>• Structure of General Sensory Receptors, Anatomy of the Eye, Microscopic Anatomy of the Retina, Anatomy of the Ear, Olfactory Epithelium and Olfaction, Taste Buds and Taste.</li> <li>• Upper and Lower Respiratory System Structures.</li> <li>• Organs of the Alimentary Canal, Accessory Digestive Organs.</li> </ul>

	<ul style="list-style-type: none"> <li>• Gross Anatomy of the Human Urinary System, Functional Microscopic Anatomy of the Kidney and Bladder.</li> <li>• Gross Anatomy of the Human Male Reproductive System, Gross Anatomy of the Human Female Reproductive System, Microscopic Anatomy of Selected Male and Female Reproductive Organs</li> <li>• Surface Anatomy Roundup (Head, Neck, Trunk, Abdomen, Upper and Lower Limbs).</li> </ul>
<p><b>Indicative Contents</b> المحتويات الإرشادية</p>	<p>Indicative content includes the following:</p> <p><b>1. Structured Student Workload (SSWL) (75 hrs.\semester)</b></p> <p><b>Part A: Theory</b></p> <p>Introduction of Human Body (2 hrs.)  Tissue Classification (2 hrs.)  Integumentary system (2 hrs.)  Skeletal System (2 hrs.)  Muscular System (2 hrs.)  Cardiovascular System (2 hrs.)  Lymph and Lymphoid Organs (2 hrs.)  Endocrine System (2 hrs.)  Nervous System (2 hrs.)  Sense Organs (2 hrs.)  Respiratory System (2 hrs.)  Digestive System (2 hrs.)  Excretory System (2 hrs.)  Reproductive System (2 hrs.)  Surface Anatomy (2 hrs.)</p> <p><b>Part B: Lab.</b></p> <p>Introduction of Human Body (2 hrs.)  Tissues: An overview (2 hrs.)  Fascia &amp; Skin Appendages (2 hrs.)  Joints, Bones and Cartilages (2 hrs.)  Muscles, Tendons &amp; Ligaments (2 hrs.)  Anatomy of Heart and Blood cells (2 hrs.)  Lymphatic Vessels, Cells and Organs (2 hrs.)  Glands (2 hrs.)</p>

	<p>Nervous Tissue (2 hrs.)  Special Senses (2 hrs.)  Anatomy of Respiratory Tract (2 hrs.)  Anatomy of Digestive organs (2 hrs.)  Excretory Organs (2 hrs.)  Anatomy of Male and Female Reproductive Organs (2 hrs.)  Surface Anatomy Roundup (2 hrs.)</p> <p><b>Part C: Scientific discussion (15 hrs.)</b></p> <p><b>2. Unstructured Student Workload (USSWL) (100 hrs.\semester)</b></p> <p>Project\Lab. (10 hrs.\semester)  Preparation of lectures (60 hrs.\semester)  Presentation (PowerPoint) (6 hrs.\semester)  Quizzes (9 hrs.\semester)  Midterm exam (3 hrs.\semester)  Preparation of final exam (9 hrs.\semester)  Final exam (3 hrs.\semester)</p>
<p style="text-align: center;"><b>Learning and Teaching Strategies</b>  استراتيجيات التعلم والتعليم</p>	
<b>Strategies</b>	<p>This module is designed to provide the medical students with basic theoretical and practical knowledge about various human systems. It also provides information about the cooperative interaction between cells, tissues, and organs of the human systems in carrying out their functions. On top of that, the main strategies used in this module will be as follow:</p> <ul style="list-style-type: none"> <li>• Theoretical &amp; Laboratory lectures.</li> <li>• Q\A scientific discussions and Cooperative\Team learning via preparing projects.</li> <li>• Quizzes.</li> <li>• Assignments.</li> <li>• Seminar</li> <li>• Scientific posters.</li> <li>• Midterm and Final examinations.</li> </ul>

Student Workload (SWL) الحمل الدراسي للطالب			
<b>Structured SWL (h/sem)</b> الحمل الدراسي المنتظم للطالب خلال الفصل	76	<b>Structured SWL (h/w)</b> الحمل الدراسي المنتظم للطالب أسبوعياً	5
<b>Unstructured SWL (h/sem)</b> الحمل الدراسي غير المنتظم للطالب خلال الفصل	99	<b>Unstructured SWL (h/w)</b> الحمل الدراسي غير المنتظم للطالب أسبوعياً	6.5
<b>Total SWL (h/sem)</b> الحمل الدراسي الكلي للطالب خلال الفصل	175		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
<b>Formative assessment</b>	<b>Quizzes</b>	3\3	6%	5, 10, 15	1-4, 6-9, 11-14
	<b>Assignments</b>	1\15	10%	15	14
	<b>Projects / Lab.</b>	1\10	10%	15	14
	<b>Report</b>	3\2	4%	8, 15	7, 14
<b>Summative assessment</b>	<b>Midterm Exam</b>	3\1	10%	8	1-7
	<b>Final Exam</b>	3\1	60%	16	1-15
<b>Total assessment</b>					

Delivery Plan (Weekly Syllabus) المنهاج الأسبوعي النظري	
	Material Covered
<b>Week 1</b>	Introduction of Human Body
<b>Week 2</b>	Tissue Classification
<b>Week 3</b>	Integumentary system
<b>Week 4</b>	Skeletal System
<b>Week 5</b>	Muscular System
<b>Week 6</b>	Cardiovascular System
<b>Week 7</b>	Lymph and Lymphoid Organs
<b>Week 8</b>	Endocrine System
<b>Week 9</b>	Nervous System
<b>Week 10</b>	Accessory glands
<b>Week 11</b>	Respiratory System
<b>Week 12</b>	Digestive System
<b>Week 13</b>	Excretory System
<b>Week 14</b>	Reproductive System

<b>Week 15</b>	Surface Anatomy (Head, Neck, Trunk, Abdomen, Upper and Lower Limbs)
	Preparatory week before the Final Exam

<b>Delivery Plan (Weekly Lab. Syllabus)</b> المنهاج الأسبوعي للمختبر	
	<b>Material Covered</b>
<b>Week 1</b>	Introduction of Human Body
<b>Week 2</b>	Tissues: An overview
<b>Week 3</b>	Fascia & Skin Appendages
<b>Week 4</b>	Joints, Bones and Cartilages
<b>Week 5</b>	Muscles, Tendons & Ligaments
<b>Week 6</b>	Anatomy of Heart and Blood cells
<b>Week 7</b>	Lymphatic Vessels, Cells and Organs
<b>Week 8</b>	Glands
<b>Week 9</b>	Nervous Tissue
<b>Week 10</b>	Special Senses
<b>Week 11</b>	Anatomy of Respiratory Tract
<b>Week 12</b>	Anatomy of Digestive organs
<b>Week 13</b>	<b>Accessory glands</b>
<b>Week14</b>	Anatomy of Male and Female Reproductive Organs
<b>Week 15</b>	Surface Anatomy Roundup (Head, Neck, Trunk, Abdomen, Upper and Lower Limbs)
	Final Exam

## Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
<b>Required Texts</b>	<ul style="list-style-type: none"> <li>• Marieb, Elaine N. and Smith, Lori A. <u>Human Anatomy &amp; Physiology Laboratory Manual</u>. 12<sup>th</sup> Edition. Pearson Education Limited, United Kingdom, 2023.</li> <li>• Netter, Frank H. <u>Netter Atlas of Human Anatomy: A systems Approach</u>. 8<sup>th</sup> Edition. Elsevier, Philadelphia, PA, USA, 2022.</li> </ul>	No
<b>Recommended Texts</b>	<ul style="list-style-type: none"> <li>• Morton, David A.; Foreman, K. Bo and Albertine, Kurt H. <u>The Big Picture: Gross Anatomy, Medical Course and Step 1 Review</u>. 2<sup>nd</sup> Edition. McGraw-Hill Education, USA, 2019.</li> </ul>	No
<b>Websites</b>	<ul style="list-style-type: none"> <li>• <a href="https://www.pearson.com/en-gb/subject-catalog/p/human-anatomy--physiology-laboratory-manual-main-version-global-edition/P200000007224/9781292442280">https://www.pearson.com/en-gb/subject-catalog/p/human-anatomy--physiology-laboratory-manual-main-version-global-edition/P200000007224/9781292442280</a></li> <li>• <a href="https://evolve.elsevier.com/cs/product/9780323760287?role=student">https://evolve.elsevier.com/cs/product/9780323760287?role=student</a></li> <li>• <a href="https://www.mheducation.com/highered/product/big-picture-gross-anatomy-medical-course-step-1-review-second-edition-morton-foreman/9781259862632.html">https://www.mheducation.com/highered/product/big-picture-gross-anatomy-medical-course-step-1-review-second-edition-morton-foreman/9781259862632.html</a></li> </ul>	

## APPENDIX:

GRADING SCHEME				
مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	مقبول بقرار	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				
NB Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				



ملاحظة: هذا النموذج تم وضعه وتقديمه من قبل مديرية ضمان الجودة في وزارة التعليم العالي والبحث العلمي



