	Ministry of Higher Education and Scientific Research - Iraq Al-Nahrain University College of Science Applied Pathological Analysis Department	

MODULE DESCRIPTOR FORM
نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية					
Module Title	ANATOMY			**Module Delivery**	
Module Type	CORE			☒ **Theory** ☒ **Lecture** ☐ **Lab** ☒ **Tutorial** ☐ **Practical** ☒ **Seminar**	
Module Code	APPA 2110				
ECTS Credits	4				
SWL (hr/sem)	100				
Module Level	1		**Semester of Delivery**	3	
Administering Department	Applied Pathological Analysis		**College**	College of Science	
Module Leader	Dr. Ruaa Hameed Abdulridha		**e-mail**	ruaa.hameed@nahrainuniv.edu.iq	
Module Leader's Acad. Title	Lecturer		**Module Leader's Qualification**	Ph. D.	
Module Tutor	Dr. Ruaa Hameed Abdulridha Dr. Nawfal Haitham Shakir		**e-mail**	ruaa.hameed@nahrainuniv.edu.iq nawfal.haitham@nahrainuniv.edu.iq	
Peer Reviewer Name	Dr. Ruaa Hameed Abdulridha		**e-mail**	ruaa.hameed@nahrainuniv.edu.iq	
Scientific Committee Approval Date	10\9\2024		**Version Number**	1.0	

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	**Course objectives:** At the end of the academic course, the student will be able to achieve the following goals: **1.** To acquire knowledge of the normal structure of various human body systems **2.** To master the basic medical information of anatomy as a cornerstone in understanding clinical sciences. **3.** To prepare competent graduates familiar with medical sciences to benefit from them in their future practical lives and to perform their professional and humanitarian roles in society. **4.** To understand the importance of anatomy and the location of organs in their specialization. **5.** - To study the structure and organization of the human body and the composition of its various organs.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	**1.** Understanding anatomical terms, positions, planes, and levels. **2.** Identifying different types of tissues. **3.** Recognizing different types of bones. **4.** Classifying muscle tissues and their types. **5.** Studying the functions of the body based on the anatomical structures that collectively form the human body, including the structures and functions of the Nervous, Digestive, Cardiovascular, Respiratory, and Reproductive systems. **6.** Explore the stages of fetal development, along with an understanding of the five senses.
Indicative Contents المحتويات الإرشادية	**1- Introduction to Anatomy of the Human Body:** Definition of Anatomy, the Kinds of Anatomy, Directional terms in anatomy, Body planes, and Body Cavities &Serous Membranes. **2- Structural levels and organization:** The human body exhibits many levels of structural complexity, and areas of the abdomen. **3- Skeletal System – Head and Neck:** The human skeleton division, Skull all parts, spinal cord, and Joints.

	4- **Skeletal System – Thoraxes and Upper Limbs:** The Thoraxes structure, the skeleton of the upper limb parts, and joints of the upper extremity. 5- **Skeletal System –Lower Limbs:** the skeleton of the lower limb parts, and joints of the upper extremity. 6- **Skeletal Muscles:** skeletal muscle characteristics, naming of skeletal muscle, direction, action, and number of skeletal muscles. 7- **Nervous System:** structure and function. 8- **Digestive System:** structure and function. 9- **Respiratory System:** structure and function. 10- **Reproductive System:** structure and function. 11- **Embryology:** Embryology definition, embryogenesis, and steps of embryogenesis. 12- **Special Senses:** special sense definition, vision, hearing, smell, and taste.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	**Learning Strategies:** - Encourage students to take organized notes during lectures. - Provide practice questions and problem-solving exercises. - Participate actively in group discussions and collaborative activities. - Make use of textbooks, online resources, and supplementary materials to reinforce learning. - Provide constructive feedback on assignments and assessments. Feedback helps students understand their strengths and areas for improvement. **Teaching Strategies:** - Encourage students to actively engage with the material through discussions and group activities to promote deeper understanding. - Deliver well-structured lectures that provide a clear overview of the topic. - Incorporate videos, animations, and interactive simulations to illustrate complex biological processes.

	- Assign readings or video lectures as homework and use class time for discussions and activities.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/Sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	4.2
Unstructured SWL (h/Sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	37	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.5
Total SWL (h/Sem) الحمل الدراسي الكلي للطالب خلال الفصل	100		

Module Evaluation تقييم المادة الدراسية					
As		**Time/Number**	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	2	10% (10)	2,5	All
	Assignments& H. W	2	5% (5)	3, 11	All
	Projects	1	15% (10)	Continuous	All
	Seminar	1	10% (10)	Continuous	All
Summative assessment	**Midterm Exam**	1 hr.	10% (10)	7	All
	Final Exam	3 hr.	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	**Introduction to Anatomy of the Human Body:** Definition of Anatomy, the Kinds of Anatomy, Directional terms in anatomy, Body planes, and Body Cavities &Serous Membranes.

Week 2	**Structural levels and organization:** The human body exhibits many levels of structural complexity, and areas of the abdomen.
Week 3	**Skeletal System – Head and Neck:** The human skeleton division, Skull all parts, spinal cord, and Joints.
Week 4	**Skeletal System – Thoraxes and Upper Limbs:** The Thoraxes structure, the skeleton of the upper limb parts, and joints of the upper extremity.
Week 5	**Skeletal System –Lower Limbs:** the skeleton of the lower limb parts, and joints of the upper extremity.
Week 6	**Skeletal Muscles:** skeletal muscle characteristics, naming of skeletal muscle, direction, action, and number of skeletal muscles.
Week 7	**Mid-term Exam**
Week 8	**Nervous System:** structure and function.
Week 9	**Digestive System:** structure and function.
Week 10	**Respiratory System:** structure and function.
Week 11	**Reproductive System:** structure and function.
Week 12	**Embryology:** Embryology definition, embryogenesis, and steps of embryogenesis.
Week 13	**Special Senses:** special sense definition, vision, hearing, smell, and taste.
Week 14	**Preparatory Week**
Week 15	**Final Exam**

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	AGUR, A. M. & DALLEY II, A. F. 2023. *Grant's atlas of anatomy*, Lippincott Williams & Wilkins.	No
Recommended Texts	1. NETTER, F. H. 2014. *Atlas of Human Anatomy, Professional Edition E-Book: including NetterReference. com Access with full downloadable image Bank*, Elsevier health sciences. 2. ALBERTINE, K. H. 2007. *The Anatomy Student's Self-test Colouring Book*, Macmillan Education AU.	No
Websites	https://repository.poltekkes-kaltim.ac.id/1144/1/Essentials%20of%20Anatomy%20and%20Physiology%20(%20PDFDrive%20).pdf	

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	راسب (قيد المعالجة)	(45-49)	More work is required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work

				required

Note: Marks 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