

نموذج وصف المقرر باللغة العربية

1. اسم المقرر

علم الفسلجة الوظيفي

2. رمز المقرر

3. الفصل / السنة

فصلي

4. تاريخ إعداد هذا الوصف

2026/2025

5. أشكال الحضور المتاحة

حضور

(عدد الساعات الدراسية (الكلي)/ عدد الوحدات (الكلي) 6.

(عدد الساعات (5)، عدد الوحدات (3)

(اسم مسؤول المقرر الدراسي (إذا أكثر من اسم تذكر .

ا.د.كريم هلال ثامر

8. اهداف المقرر

اهداف المادة الدراسية

1. Understand the fundamental mechanisms that operate in human body and how they interact.
2. Understand the functions of important physiological systems including the cardio, respiratory, renal, reproductive and digestive systems.

9. استراتيجيات التعليم والتعلم

الاستراتيجية

10. بنية المقرر

الأسبوع	الساعات	مخرجات التعلم المطلوبة	اسم الوحدة او الموضوع	طريقة التعلم	طريقة التقييم
الاول	2 نظري 3 عملي		Physiology of cardiovascular system: Components of CVS and their functions Systole, diastole, peripheral resistance	نظري + عملي	اسئلة عامة ومناقشة وامتحانات يومية
الثاني	2 نظري 3 عملي		Physiology of Respiratory system: Pulmonary ventilation, elastic recoil, pressure changes during inspiration and expiration, pulmonary volumes, alveolar ventilation, respiratory control center, factors influence breathing	نظري + عملي	اسئلة عامة ومناقشة بالاضافة الى جعل الطالب يطبق العملي

اسئلة عامة ومناقشة بالاضافة الى جعل الطالب يطبق العملي	نظري + عملي	Physiology of Digestive system: stomach, gastric juice, regulation of stomach secretion, inhibition of secretion by nervous system, small intestine secretion		2 نظري 3 عملي	الثالث
امتحان آني بالاضافة الى جعل الطالب يطبق العملي	نظري + عملي	Physiology of Pancreas and small and large intestine: pancreatic juice contains amylase, function, regulation of pancreatic secretion, duodenum function, intestinal juice contents, large intestine		2 نظري 3 عملي	الرابع
امتحان تطبيق عملي	نظري + عملي	Physiology of liver and gallbladder: liver functions, gallbladder function		2 نظري 3 عملي	الخامس
اسئلة عامة ومناقشة	نظري + عملي	Physiology of renal system: Parts of urinary system, function of urinary system, urine formation process, glomerular filtration		2 نظري 3 عملي	السادس
اسئلة عامة امتحان آني بالاضافة الى جعل الطالب يطبق العملي	نظري + عملي	Selective process of urine formation: Tubular reabsorption, Regulation of urine concentration and volume, tubular secretion, urine movements		2 نظري 3 عملي	السابع
واجبات جماعية	نظري + عملي	Micturition: Micturition reflex regulation and urination		2 نظري 3 عملي	الثامن
اسئلة عامة ومناقشة	نظري + عملي	Female reproductive system: Puberty in females, menstrual cycle, menopause, female fertility and pregnancy		2 نظري 3 عملي	تاسع
امتحان	نظري + عملي	Male reproductive system: Function, testosterone, puberty in males, regulation of male reproduction system, hormonal and neural mechanisms		2 نظري 3 عملي	العاشر
اسئلة عامة ومناقشة بالاضافة الى محاضرات تخص الموضوع للمناقشة بين الطلبة	نظري + عملي	Physiology of nervous system: General organization, CNS, PNS, nerve fiber, brain parts, brainstem function, cerebellum function, nerve impulses, action potential, reflex arc Motor system: Sensory system		2 نظري 3 عملي	الحادي عشر

اسئلة عامة ومناقشة بالاضافة الى نارات تخص الموضوع للمناقشة بين الطلبة	نظري + عملي	Tract of spinal cord: Descending, ascending, intersegmental		2 نظري 3 عملي	الثاني عشر
اسئلة عامة وامتحان آني	نظري + عملي	Physiology of spinal cord sections: Hemi section and complete section		2 نظري 3 عملي	الثالث عشر
واجبات جماعية بالاضافة الى نارات تخص الموضوع للمناقشة الطلبة وتطبيق عملي	نظري + عملي	Endocrine control mechanism: Adrenal gland hormones role and function		2 نظري 3 عملي	الرابع عشر
اسئلة الامتحان	نظري + عملي	Endocrine control mechanism: Pituitary gland hormones role and function		2 نظري 3 عملي	الخامس عشر

11.تقييم المقرر

توزيع الدرجة من 100 على وفق المهام المكلف بها الطالب مثل التحضير اليومي والامتحانات اليومية والشفوية والشهرية والتحريرية والتقارير.... الخ

12.مصادر التعلم والتدريس

لايوجد	الكتب المقررة المطلوبة (المنهجية أن وجدت)
	المراجع الرئيسة (المصادر)
	الكتب والمراجع الساندة التي يوصى بها (المجلات العلمية، التقارير....)
	المراجع الإلكترونية ، مواقع الانترنت

Course Description Form

13.Course Name:
Systemic physiology
14.Course Code:
15.Semester / Year:
Semester
16.Description Preparation Date:
17.Available Attendance Forms:
18.Number of Credit Hours (Total) / Number of Units (Total)
5 hours, 3 units

19.Course administrator's name (mention all, if more than one name)

20.Course Objectives

Course Objectives

21.Teaching and Learning Strategies

Strategy	Lectures and discussions Brainstorming strategy Community work strategy Strategy for dialogue and exchange of opinions In addition to the quizzes and practical application
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22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical 2 Practical 3		Physiology of cardiovascular system: Components of CVS and their functions Systole, diastole peripheral resistance	Theoretical and Practical	
2	Theoretical 2 Practical 3		Physiology of Respiratory system: Pulmonary ventilation, elastance, recoil, pressure changes during inspiration and expiration, pulmonary volume, alveolar ventilation, respiratory control centers, factors influencing breathing	Theoretical and Practical	Home work Group sessions, in addition to seminars on the topic of discussion Between students and practical application
3	Theoretical 2 Practical 3		Physiology of Digestive system: stomach, gastric juice, regulation of stomach secretion, inhibition of secretion by nervous system, small intestine secretion	Theoretical and Practical	Home work Group sessions, in addition to seminars on the topic of discussion Between students and practical application
4	Theoretical 2 Practical 3		Physiology of Pancreas and small and large	Theoretical and Practical	Home work Group sessions, in addition to seminars on the topic of discussion

			intestine: pancreatic juice contains and function , regulation of pancreatic secretion, duodenal function , intestinal juice contents, large intestine		Between students and practical application
5	Theoretical 2 Practical 3		Physiology of liver and gallbladder: liver functions, gallbladder function	Theoretical and Practical	Home work Group sessions, in addition seminars on the topic of discussion Between students and practical application
6	Theoretical 2 Practical 3		Physiology of renal system: Parts of urinary system, function of urinary system urine formation process, glomerular filtration	Theoretical and Practical	Home work Group sessions, in addition seminars on the topic of discussion Between students and practical application
7	Theoretical 2 Practical 3		Selective process of urine formation: Tubular reabsorption, Regulation of urine concentration and volume, tubular secretion, urine movements	Theoretical and Practical	Home work Group sessions, in addition seminars on the topic of discussion Between students and practical application
8	Theoretical 2 Practical 3		Micturition: Micturition reflex regulation and urination		Home work Group sessions, in addition seminars on the topic of discussion Between students and practical application
9	Theoretical 2 Practical 3		Female reproductive system: Puberty in females, menstrual cycle, menopause,	Theoretical and Practical	Home work Group sessions, in addition seminars on the topic of discussion Between students and practical application

			female fertility and pregnancy		
10	Theoretical 2 Practical 3		Male reproductive system: Function, testosterone, puberty in males, regulation of male reproductive system, hormones and neural mechanisms		Home work Group sessions, in addition to seminars on the topic of discussion Between students and practical application
11	Theoretical 2 Practical 3		Physiology of nervous system: General organization CNS, PNS, nerve fiber, brain parts brainstem function, cerebrum function, nerve impulses, action potential, reflex Arc, Motor system: Sensory system	Theoretical and Practical	Home work Group sessions, in addition to seminars on the topic of discussion Between students and practical application
12	Theoretical 2 Practical 3		Tract of spinal cord: Descending, ascending, intersegmental	Theoretical and Practical	Home work Group sessions, in addition to seminars on the topic of discussion Between students and practical application
13	Theoretical 2 Practical 3		Physiology of spinal cord sections: Hemi section and complete section	Theoretical and Practical	Home work Group sessions, in addition to seminars on the topic of discussion Between students and practical application
14	Theoretical 2 Practical 3		Endocrine control mechanism: Adrenal gland hormones role and function	Theoretical and Practical	Home work Group sessions, in addition to seminars on the topic of discussion Between students and practical application
15	Theoretical 2 Practical 3		Endocrine control mechanism: Pituitary gland	Theoretical and Practical	Exam

			hormones role and function		
23.					
24.					