

Course Description Form

1. اسم المقرر	
فسلجة 1	
2. رمز المقرر	
WBM-31-04	
3. السنة\ الفصل	
Third Year\First semester	
4. تاريخ كتابة الفصل	
1-2-05202	
5. اشكال الحضور المتوفرة	
presence in the classroom, lab	
6. عدد الساعات الدراسية (الكلية) / عدد الوحدات (الكلية):	
60 hours\ 3 units	
7. اسم مسؤول المقرر الدراسي (اذا اكثر من اسم يذكر)	
الاسم : احمد عودة كاظم	
الايميل : ahmed.oudah@uowa.edu.iq	
8. Course Objectives	
Course Objectives	<p>The study objectives can be summarized as follows:</p> <ul style="list-style-type: none"> • Understand body fluids and water/electrolyte balance. • Learn the functions of blood cells (RBCs, WBCs) and hemoglobin. • Recognize anemia and polycythemia. • Understand the immune system and types of immunoglobulins. • Study hemostasis and the role of platelets. • Differentiate between internal and external coagulation pathways. • Know the ABO blood group system and transfusion reactions.
9. Teaching and Learning Strategies	
Strategy	Assessment is based on hand-in assignments, written exam, Case study, Quizzes, seminars, Practical testing and Online testing.

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Learn about the Body fluids	Body fluids	Lectures presented in PDF format + lab	Daily exams + homework assignments + monthly exams
2	4	Learn about the fluid compartment	fluid compartment	Lectures presented in PDF format + lab	Daily exams homework assignments monthly exams
3	4	Learn about the water balance, electrolyte balance	water balance, electrolyte balance	Lectures presented in PDF format + lab	Daily exams homework assignments monthly exams
4+5	4	Learn about the RBC, hemoglobin	RBC, hemoglobin	Lectures presented in PDF format + lab	Daily exams homework assignments monthly exams
6	4	Learn about the anemia polycythemia	anemia polycythemia	Lectures presented in PDF format + lab	Daily exams homework assignments monthly
7	4	Learn about the WBC, Immunity	WBC, Immunity	Lectures presented in PDF format + lab	Daily exams homework assignments monthly

8	4	Learn about the type of immunoglobulins,	type of immunoglobulins,	Lectures presented in PDF format + lab	Daily exams homework assignments monthly
9	4	Learn about the homeostasis	homeostasis,	Lectures presented in PDF format + lab	Daily exams homework assignments monthly
10	4	Learn about the platelets	platelets,	Lectures presented in PDF format + lab	Daily exams homework assignments monthly
11+12	4	Learn about the external and internal pathways of coagulation	external and internal pathways of coagulation	Lectures presented in PDF format + lab	Daily exams homework assignments monthly exam
13+14	4	Learn about the blood groups (ABO system) and transfusion reaction.	blood groups (ABO system) and transfusion reaction.	Lectures presented in PDF format + lab	Daily exams homework assignments monthly exam
15	2		Mid exam		

11. Course Evaluation

- ☑ Daily exams with practical and scientific questions.
- ☑ Participation scores for difficult competition questions among students
- ☑ Establishing grades for environmental duties and the reports assigned to them
- ☑ Semester exams for the curriculum, in addition to the mid-year exam and final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Principles of anatomy and physiology, by Gerard J. Tortora & Bryan H. Derrickson 12th ed. Volume 1 2009
---	---

Main references (sources)	Text book of medical physiology, by Guton & Hall . eleven ed. 2020.
Recommended books and references (scientific journals, reports...)	Check out websites in this field