

Course Description Form

1. Course Name:	
Physiology I	
2. Course Code:	
WBM-31-04	
3. Semester / Year:	
Third Year\First semester	
4. Description Preparation Date:	
2025-02-1	
5. Available Attendance Forms:	
presence in the classroom, lab	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours\ 3 units	
7. Course administrator's name (mention all, if more than one name)	
Name: Ahmed oudah kadhim Email: 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	type of immunoglobulins,	Lectures presented in PDF	Daily exams homework assignments

		immunoglobulins,		format + lab	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 Guyton & Hall . eleven ed. 2020.

Recommended books and references (scientific journals, reports...)	Check out websites in this field
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