

Course Description Form

1. Course Name:	
Physiology 2 (Theoretical+ Practical)	
2. Course Code:	
Phph24_2212	
3. Semester / Year:	
Second semester/2 nd year	
4. Description Preparation Date:	
01/9/2024	
5. Available Attendance Forms:	
Students' signature on attendance sheet	
6. Number of Credit Hours (Total) / Number of Units (Total)	
3 hours Theoretical + 2 hours Practical (75) /4 units	
7. Course administrator's name	
Theoretical	
Assist. Prof Dr. Abdulla Aqeel Altayyar Email: abdulla.a.ahmad@uomosul.edu.iq Lecturer Dr. Mohammed Abdulkareem Younes Email: mohammed-78@uomosul.edu.iq Lecturer Ahmed Hikmat Email: ahmed.alhamdany@uomosul.edu.iq Assist. Lecturer Louay Alchalaby Email: loayalchalaby@uomosul.edu.iq	
Practical	
Assist. Prof Dr. Fawaz A. Alassaf Fawaz.Alassaf@uomosul.edu.iq Assist. Lecturer Shahad Adel Bader Shahad1990@uomosul.edu.iq Assist. Lecturer Safa Mohamed Omar Safa_mohammed@uomosul.edu.iq Assist. Lecturer Ruaa Nazar Yahya Roaa_nazar@uomosul.edu.iq Assist. Lecturer Hind Sami Hind.mohammed@uomosul.edu.iq Assist. Lecturer Doaa Khalid Ibrahim Doaa.ph@uomosul.edu.iq	
8. Course Objectives	
Course Objectives The course identifies the basic knowledge about the physiology of Circulatory body fluids, Endocrinology and Gastrointestinal system.	This course enables the students to understand principles of physiology including blood, lymph, immunity, different glands (hypothalamus, pituitary, thyroid, parathyroid, adrenal, pancreas) and gastrointestinal system.
9. Teaching and Learning Strategies	
Strategy	Lecturing Seminars Quiz Practical laboratory demonstrations of physiological investigations and experiments in different subjects of physiology.

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3+2	Circulatory body fluid: Introduction; blood; bone marrow	Physiology of circulatory body fl	Theoretical lectures. Laboratory experiments	Paper-based exams
2	3+2	White blood cells; immunity; Platelets; red blood cells;	Physiology of circulatory body fl	Theoretical lectures. Laboratory demonstration.	Paper-based exams
3	3+2	Anemia; polycythemia Blood group and Rh factor; hemostasis:	Physiology of circulatory body fl	Theoretical lectures. Laboratory demonstration.	Paper-based exams
4	3+2	The clotting mechanism / blood coagulation tests Anti-clotting mechanism; the plasma	Physiology of circulatory body fl	Theoretical lectures. Laboratory demonstration.	Paper-based exams
5	3+2	The lymph; abnormalities of hemostasis	Physiology of circulatory body fl	Theoretical lectures. Laboratory experiments.	Paper-based exams
6	3+2	Digestion and absorption of carbohydrates; proteins; lipids; absorption of water and electrolytes; vitamins and minerals	Physiology of Gastrointestinal syst	Theoretical lectures. Laboratory demonstration.	Paper-based exams
7	3+2	regulation of gastrointestinal function: Introduction; gastrointestinal hormones; mouth and esophagus; stomach	Physiology of Gastrointestinal syst	Theoretical lectures. Laboratory demonstration.	Paper-based exams
8	Mid-term exam				
9	3+2	; exocrine portion of the pancreas; liver and biliary system; small intestine; colon	Physiology of Gastrointestinal syste	Theoretical lectures. Laboratory demonstration.	Paper-based exams

10	3+2	Introduction; energy balance, metabolism and nutrition; the pituitary gland	Endocrinology	Theoretical lectures. Laboratory demonstration.	Paper-based exams
11	3+2	the thyroid gland	Endocrinology	Theoretical lectures. Laboratory demonstration.	Paper-based exams
12	3+2	the gonads: development and function of the male reproductive system	Endocrinology	Theoretical lectures. Laboratory demonstration.	Paper-based exams
13	3+2	the gonads: development and function of the female reproductive system	Endocrinology	Theoretical lectures. Laboratory demonstration.	Paper-based exams
14	3+2	endocrine functions of the pancreas and regulation of carbohydrate metabolism	Endocrinology	Theoretical lectures. Laboratory demonstration.	Paper-based exams
15	Students' seminars				

11. Course Evaluation

- 25 M Theoretical assessment; (paper-based mid-term exam + quiz)
- 25 M practical assessment (attendance + quiz + + seminars)
- 50 M paper-based theoretical final exam

Total 100 M

12. Learning and Teaching Resources

Required textbooks	Textbook of Medical Physiology by Guyton AC; latest edition
Main references (sources)	<ul style="list-style-type: none"> • Vander's Human Physiology; latest edition • Ganong's review of medical physiology; latest edition
Electronic References, Websites	https://youtu.be/qghzLR5JUBE