

Course plan

Year: 2026-2027	Semester: ☒ First ☐ Second	Number of students: 25								
Major: Medicine and Dentistry students	☒ Basic sciences ☐ Physiopathology	Department: Physiology								
Course Title: Practical Physiology	☐ Theoretical ☒ Practical	Credit: 0.8								
Prerequisite: none	Day & Time: Wednesday, 8-10 a.m. and 14-16 p.m.	Place: physiology 1 department								
Instructor: Dr. Ghasemi	Office address: School of Medicine, Department of physiology (1)	Tel: 031-3792 9014								
Email: ghasemi.m.ph@gmail.com	Response Hours and Days: 13-16 p.m Wednesday	Student representative name and mobile number:								
Main objective: Provide a practical aspect to some of the physiological concepts learned during common lectures and allow students to have experiences that enhance their understanding of physiological concepts.										
Specific objects: 1- Practical physiology of blood (Hct and Hb measurement) 2- Practical physiology of Cardiovascular system (ECG) 3- Practical physiology of Cardiovascular system (Blood pressure) 4- Practical physiology of Respiratory system(Spirometer) 5- Practical physiology of Nervous system (Spinal reflexes) 6- Practical physiology of Nervous system (Auditory and Vision tests) 7- Practical physiology of gastrointestinal system (Carbohydrates digestion) 8- Practical physiology of Endocrine system (Glucose tolerance test)										
References (Text books): 1- Guyton and Hall Textbook of Medical Physiology, (The up-to-date version of the book) 2- Practical Physiology for International medical students 3- Power point presentation										
Student evaluation and the value related to each evaluation: (The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 70%;">ASSESSMENT TOOLS</th> <th style="width: 30%;">From</th> </tr> <tr> <td>Class activities and quiz</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Final Exam (Written and Multiple-choice questions)</td> <td style="text-align: center;">15</td> </tr> <tr> <td>TOTAL MARKS</td> <td style="text-align: center;">20</td> </tr> </table>			ASSESSMENT TOOLS	From	Class activities and quiz	5	Final Exam (Written and Multiple-choice questions)	15	TOTAL MARKS	20
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Students' responsibilities: 1- Study the topics before and after the class 2- Observe the class order and rules 3- Attend all classes										
Discipline and educational rules:										

- 1- For each unplanned absence, 0.5 points will be deducted from 20, and in case of absence exceeding the permissible limit, the score will be zero.
- 2- The maximum permission time to participate in the class is 5 min after the start of the session.
- 3-
- 4- Mobile phone use is prohibited during class.

Other important notes for students:

- 1- Studying the rules and rights of the professor and the student

Mid exam date:

Final exam date: In accordance with the schedule

Beginning of laboratory sessions 2026/10/14 (October 14 /2026)

Wednesday every week, 8-10 a.m.

Row	date	Presentation	Topic	Professor	Theoretical or practical	References	Chapter	Pages
1	Oct. 14	General physiology Lab	Measurement of Hct and Hb	Dr. Izadi	Practical	Practical Physiology	2	25-42
2	Oct. 21	General physiology Lab	Measurement of Blood pressure	Dr. Izadi	Practical	Practical Physiology	3	43-66
3	Oct. 28	General physiology Lab	Electrocardiography (ECG)	Dr. Izadi	Practical	Practical Physiology	4	67-88
4	Nov. 4	General physiology Lab	Measurement of Pulmonary volumes and capacities (Spirometer)	Dr. Izadi	Practical	Practical Physiology	5	89-108
5	Nov.11	General physiology Lab	Spinal reflexes	Dr. Ghasemi	Practical	Practical Physiology	7	139-158
6	Nov.18	General physiology Lab	Auditory and Vision tests	Dr. Ghasemi	Practical	Practical Physiology	6	109-138
7	Nov.25	General physiology Lab	Oral Glucose tolerance test	Dr. Ghasemi	Practical	Practical Physiology	9	169-182
8	Dec. 2	General physiology Lab	Carbohydrates digestion	Dr. Ghasemi	Practical	Practical Physiology	10	183-186