

Course plan

Year: 2023-2024	Semester: <input type="checkbox"/> First <input checked="" type="checkbox"/> Second	Number of students: 30
Major: MD	<input checked="" type="checkbox"/> Basic sciences <input type="checkbox"/> Physiopathology	Department: Physiology
Course Title: Practical Physiology	<input type="checkbox"/> Theoretical <input checked="" type="checkbox"/> Practical	Credit: 0.8
Prerequisite: none	Day & Time: Thursday, 8-12 A.M.	Place: physiology 1 department
Instructor: Dr. Ghasemi	Office address: School of Medicine, Department of physiology(1)	Tel: 031-3792 9188
Email: ghasemi.m.ph@gmail.com	Response Hours and Days: 13-16 p.m Wednesday	Student representative name and mobile number:

Main objective: to provide a practical aspect to some of the physiological concepts learned during mainstream lectures allowing students to have hands on experience that will strengthen their understanding of the physiological concepts

Specific objects:

- 1- Practical physiology of blood (Hct and Hb measurements)
- 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 Skeletal muscle (muscle contraction recording)
- 6- Practical physiology of Nervous system -Spinal reflexes
- 7- Practical physiology of Nervous system -Auditory and Vision tests
- 8- Practical physiology of gastrointestinal system (Carbohydrates digestion)
- 9- Practical physiology of Endocrine system (glucose tolerance test)
- 10- Practical physiology of Urinary system (Tm calculation for Glucose)

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- Presented power point

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)

ASSESSMENT TOOLS	From
Class activities and quiz	5
Final Exam (Written and Multiple-choice questions)	15
TOTAL MARKS	20

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.
 - 3- 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

Row	date	Presentation	Topic	Professor	Theoretical or practical	References	Chapter	Pages
1	February 22	General physiology Lab	Measurement of Hct and Hb	Dr. Ghasemi	Practical	Practical Physiology	2	25-42
2	February 29	General physiology Lab	Measurement of Blood pressure	Dr. Ghasemi	Practical	Practical Physiology	3	43-66
3	March 7	General physiology Lab	Electrocardiography (ECG)	Dr. Ghasemi	Practical	Practical Physiology	4	67-88
4	March 14	General physiology Lab	Measurement of Pulmonary volumes and capacities (Spirometer)	Dr. Ghasemi	Practical	Practical Physiology	5	89-108
5	Apr 18	General physiology Lab	Auditory and Vision tests	Dr. Ghasemi	Practical	Practical Physiology	6	109-138
6	Apr 25	General physiology Lab	Spinal reflexes	Dr. Ghasemi	Practical	Practical Physiology	7	139-158
7	May 02	General physiology Lab	Skeletal muscle contraction	Dr. Ghasemi	Practical	Practical Physiology	8	159-168
8	May 09	General physiology Lab	Oral Glucose tolerance test	Dr. Ghasemi	Practical	Practical Physiology	9	169-182
9	May 16	General physiology Lab	Carbohydrates digestion	Dr. Ghasemi	Practical	Practical Physiology	10	183-186
10	May 23	General physiology Lab	Tm calculation for Glucose	Dr. Ghasemi	Theoretical	Textbook of Medical Physiology (Guyton and Hall)	28	344-347