

Course plan

Year: 2023-2024	Semester: <input type="checkbox"/> First <input checked="" type="checkbox"/> Second	Number of students: 50
Major: MD, MBBS	<input checked="" type="checkbox"/> Basic sciences <input type="checkbox"/> Physiopathology	Department: Physiology
Course Title: Physiology of blood	<input checked="" type="checkbox"/> Theoretical <input type="checkbox"/> Practical	Credit: 0.3
Prerequisite: none	Day & Time: Tuesday, 10-11 A.M.	Place: Tadbir
Instructor: Dr. Ghasemi	Office address: School of Medicine, Department of physiology	Tel: 031-3792 9188
Email: ghasemi.m.ph@gmail.com	Response Hours and Days: 13-16 p. m Tuesday	Student representative name and mobile number:

Main objective: Understanding the basic function of blood in our body.

Specific objects:

- 1- Plasma and the Cellular Elements of Blood (Familiarity with the composition of plasma and the major functions of plasma)
- 2- Blood Cell Production
- 3- Red Blood Cells (the structures of immature and mature red blood cells, the molecular structure of Hemoglobin, iron metabolism, the common pathologies of red blood cells.)
- 4- Platelets (the production, structure, and functions of platelets)
- 5- Hemostasis and Coagulation (hemostasis and coagulation, the key steps of hemostasis, coagulation, and fibrinolysis)

References (Text books):

- 1- Guyton and Hall Textbook of Medical Physiology, (The latest version of the book)
- 2- Principles of Hofbrand Hematology (The latest version of the book)
- 3- Medical Physiology: Principles for Clinical Medicine, edited by Rodney A. Rhoades, David R. Bell

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	2
Final Exam (Written and Multiple-choice questions)	18
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.

