



## Module Description

**University of ALKafeel / College of Pharmacy. Academic Year (2020-2021)**

<b>Stage:</b>	Second
<b>Specialization:</b>	Pharmacy
<b>Name of the Course in Arabic</b>	الفسلجة الطبية
<b>Name of the Course in English</b>	Medical physiology
<b>Goals:</b>	<p><b>A. Cognitive objectives:</b></p> <p>Level 1. Development of knowledge. Develop the student's ability to remember what he has learned about physiology.</p> <p>Level 2. Improving the level of comprehension On interpretation, prediction and conclusion.</p> <p>Level 3. Application Development</p> <p>Level 4. Ability of the student to analyze</p> <p>Level 5. Develop the student 's ability to integrate ideas and information Synthesis</p> <p>Level 6. Evaluation the student's ability to give a valuable judgment subject learned.</p> <p><b>B. The skills objectives of the course</b></p> <p>1.Improve the student's ability to observe (Observation)</p> <p>2.learn how imitation</p> <p>3. to learn the method of experimentation.</p> <p><b>C. Emotional objectives and values</b></p> <p>1.Student learning on reception (acceptance/ Receiving )</p> <p>2. Develop the student's ability to respond (Responding)</p> <p>3. The student should be able to evaluate, give value (Valuing).</p> <p>4. Improving the student's ability to organize.</p> <p>5.Integration of value with the individual behavior (Characterization by value)</p>

<b>Description</b>	To know the concept of physiology and its relationship with other sciences, such as anatomy, pathology, and oral histology. Also understand all types of body systems that starting with the circulatory system and ending with the reproductive system and thus the student is qualified to study the pathology and histopathology
<b>Number of Theoretical lectures</b>	3
<b>Number of Practical lectures</b>	2
<b>Credits</b>	سعد مشكور وليد (النظري) محمد كريم جبار (العملي) اسراء مهدي عبد الهادي (العملي)
<b>Name of Instructor in Arabic</b>	Saad mashkooor waleed Mohammed Kareem Jabar Israa Mahdi Abdulhadi
<b>Name of Instructor in English</b>	مدرس دكتور مدرس مساعد مدرس مساعد
<b>Title</b>	<a href="mailto:Saad.alzaiy@alkafeel.edu.iq">Saad.alzaiy@alkafeel.edu.iq</a> <a href="mailto:mohammedkareem@alkafeel.edu.iq">mohammedkareem@alkafeel.edu.iq</a> <a href="mailto:esraa.mahdi@alkafeel.edu.iq">esraa.mahdi@alkafeel.edu.iq</a>
<b>Academic email:</b>	07709665880 م.د. سعد مشكور 07806396004 م.م. محمد كريم 07802550417 م.م. اسراء مهدي
<b>Phone number (WhatsApp)</b>	سعد مشكور وليد (النظري) محمد كريم جبار (العملي) اسراء مهدي عبد الهادي (العملي)

### Curriculum / Theoretical:

<b>Week</b>	<b>Syllabus</b>
1	Cell physiology
2	Cell physiology
3	Cell physiology
4	Nervous system
5	Nervous system
6	Nervous system
7	Nervous system
8	Nervous system
9	Renal physiology
10	Renal physiology
11	Renal physiology
12	Respiratory system
13	Respiratory system
14	Cardiovascular system
15	Cardiovascular system

### Curriculum / Practical:

<b>Week</b>	<b>Syllabus</b>
1	Introduction to blood physiology.
2	Packed cell volume.
3	Determination of hemoglobin concentration.
4	Red blood cells count
5	Blood indices
6	Tutorial
7	Blood pressure
8	Effect of exercise on blood pressure
9	Tutorial
10	Blood typing
11	blood transfusion
12	Some experiments on vision
13	<b>Tutorial and review</b>

**References :**

**Main References :**

- Essentials of Human Physiology for Pharmacy
  - Lippincott Medical Physiology
  - Guyton and Hall Textbook of Medical Physiology
  - Ganonge