Course Name	Code	Term	Theory (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Human Physiology	HEM102	2. Semestr / Spring	3	0	0	4

Prerequisites	None
Language of Instruction	Turkısh
Course Type	Compulsory
Learning and teaching techniques of the course	Lecture, Question & Answer, Demonstration, Practice - Practice
Instructor(s) of the course	
Aim of the lesson	The main purpose of the course is to provide students with basic knowledge in all medical physiology subjects, to gain a command of the literature by using this information and to gain the skills of preparing lectures, seminars, articles, research planning and preparation.
Learning Outcomes	1. Have basic knowledge about cell physiology. 2. Have basic knowledge about blood physiology. 3. Have basic knowledge about muscle physiology. 4. Have basic knowledge about circulatory physiology. 5. Have basic knowledge about respiratory physiology. 6. Have basic knowledge about digestive physiology. 7. Have basic knowledge about excretory and reproductive-endocrine physiology. 8. It is expected that they will have gained sufficient knowledge to conduct research on medical physiology.
Lessons content	Cell-blood-muscle-systems physiology
References	1. Guyton ve HallTıbbi Fizyoloji13. Baskı Çeviri Editörü Prof. Dr. Berrak Çağlayan Yeğen. Güneş Tıp Kitabevleri 2017 2. İnsan Fizyolojisi, Türk Fizyolojik Bilimler Derneği, Prof. Dr. Erdal Ağar. İstanbul Tıp Kitabevleri 1.baskı 2021 3. Tıbbi Fizyoloji Klinik Tıbbın Temelleri4. Baskı Çeviri Editörü Prof. Dr. Erdal Ağar . İstanbul Tıp Kitabevleri 4. Hemşirelik ve Sağlık Meslek Okulları için Fizyoloji Klinik Uygulamaya Yönelik Editörler Doç. Dr. Hatice Sütçü Çiçek Doç. Dr. Ayla Yava. Nobel Tıp 2016

Course Outline Weekly

WEEKS	TOPICS
1. Week	Introduction to Physiology, Homeostasis, Cell Physiology
2. Week	Fluid-Electrolyte Balance and Regulation
3. Week	Nervous System Physiology
4. Week	Heart and Circulatory System Physiology
5. Week	Hematological System Physiology
6. Week	Respiratory System Physiology
7. Week	Digestive System Physiology
8. Week	**MIDTERM**
9. Week	Urinary System Physiology
10. Week	Endocrine System Physiology
11. Week	Reproductive System Physiology
12. Week	Fetal and Neonatal Physiology
13. Week	Body Temperature Regulation and Exercise Physiology
14. Week	Special Senses
15. Week	**AN OVERVİEW**

ECTS Student Work-load Table)

Activities	Number	Duration	Total Work Load
Length of course	14	3	42
Laboratory			
Practice			
Field Study			
Study time outside of classroom (Free-study/Group work/Pre-study)	14	3	42
Presentation (Video recording/Poster preparation/Focus Group Interview/Questionnaire/Observation and Writing reports)	1	10	10
Seminar Preparation			
Project			
Case Study			
Role-play			
Writing articles-Make criticals			
Time to prepare for midterm exams	1	8	8
Time to prepare for final exam	1	10	10
Total Work Load (hour) / 25(h)	112/25=4,48		
Course ECTS	**4**		

Evaluation System

Workload within semester	**Number**	**Contribution**
Midterm Exam	1	%40
Quiz		
Laboratory		
Practice		
Field Study		
Course Internship (If there is)		
Assignments		
Presentations and Seminars		
Projects		
Other		
Total Semester Work Load	**1**	**%40**
End-of-year Work Load		
Final Exam	1	%60
Assignments		
Practice		
Laboratory		
Total End-of-year Work Load	**1**	**%60**
TOTAL	**2**	**100**

The relationship between learning outcomes and the program outcomes of the courses

Learning outcomes		**Program Outcomes**												
		PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO10**	**PO11**	**PO12**	**PO13**	**PO14**
1	Have basic knowledge about cell physiology.	2	1	1	1	2	1	1	1	4	1	3	3	1	1
2	Have basic knowledge about blood physiology.	2	1	1	1	2	1	1	1	4	1	3	3	1	1
3	Have basic knowledge about muscle physiology.	2	1	1	1	2	1	1	1	4	1	3	3	1	1
4	Have basic knowledge about circulatory physiology.	2	1	1	1	2	1	1	1	4	1	3	3	1	1
5	Have basic knowledge about respiratory physiology.	2	1	1	1	2	1	1	1	4	1	3	3	1	1
6	Have basic knowledge about digestive physiology.	2	1	1	1	2	1	1	1	4	1	3	3	1	1
7	Have basic knowledge about excretory and reproductive-endocrine physiology.	2	1	1	1	2	1	1	1	4	1	3	3	1	1
8	It is expected that they will have gained sufficient knowledge to conduct research on medical physiology.	3	1	2	2	5	1	1	4	4	1	4	4	3	1
Contribution to the level of proficiency: 1: Lowest**, 2:** Low/Medium**, 3:** Average**, 4:** High**, 5:** Excellent															

SANKO University Faculty Of Health Sciences Deparent Of Nursing Program Outcomes

1. Have the knowledge and skills to fulfill their professional roles and functions.
2. Performs, evaluates and records nursing practices toward professional principles and standards.
3. Practice the health care needs of the individual, family and society with a holistic approach, toward the nursing process.
4. Communicates effectively with the individual, family, community and health team members.

5. Performs professional practices toward current scientific data by using information and maintenance technologies.
6. Have a foreign language profeciency to reach scientific information and communicate effectively.
7. Behaves in accordance with professional, cultural and ethical values in nursing practices.
8. Considers the relevant laws, regulations and legislation in nursing practices.
9. Uses the learning-teaching process in nursing practices.
10. Uses the management process in nursing practice.
11. Uses lifelong learning and career planning skills to contribute to professional development.
12. Uses problem solving and critical thinking skills to contribute to professional development.
13. With the awareness of social responsibility, takes part in research, projects and activities in cooperation with the health team and other disciplines.
14. Contributes to the provision and development of safe and quality health care.