Course Code	Course Title	ECTS
SPSC-106	Human Physiology	6
Department	**Semester**	**Prerequisites**
Sports Science	Spring or Fall	None
Type of Course	**Field**	**Language of Instruction**
Required	Health	Greek
Level of Course	**Year of Study**	**Lecturer**
1st Cycle	1st	Dr George Aphamis Dr Christoforos Giannaki
Mode of Delivery	**Work Placement**	**Co-Requisites**
Face-to-face	N/A	None
Recommended Optional Programme Components: N/A		

Objectives of the Course:

This course is designed to provide students with the basic understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course content will include neural and hormonal homeostatic control mechanisms, as well as study of the musculoskeletal, circulatory, respiratory, digestive, urinary, immune, reproductive, and endocrine organ systems. It is expected that the student understand the unique role of each organ and organ system in maintaining health.

Learning Outcomes:

By the end of the module students should be able to:

1. Name, understand and describe all human physiological systems
2. Describe functional organisation of the human body.
3. Recognise and be knowledgeable in the coordinated human body functions
4. Explain the interconnection of human physiological systems.
5. Explain, with physiological mechanisms, how the human physiological systems adjust their function to maintain a constant internal environment for the human body.
6. Identify the regulation and integration of the human body.
7. Comprehend the related functions of living
8. Assess the physiological response of the human body in common diseases

Course Contents:

1. Introduction to Human physiology
2. Cell Physiology, Homeostasis and Membrane Transport
3. Muscular System
4. Skeletal System
5. Circulatory System
6. Respiratory System

7. Nervous System
8. Sensory System
9. Endocrine System
10. Digestive System
11. Urinary System
12. Reproductive System

Learning Activities and Teaching Methods:

Lectures and discussions

Assessment Methods:

Midterm examination , Final examination , Course work, Attendance & Participation.

Required Textbooks/Reading:

Authors	**Title**	**Publisher**	**Year**	**ISBN**
Netter F Susan E. Mulroney, Adam K. Myers	Βασικές Αρχές Φυσιολογίας του Ανθρώπου	Εκδόσεις Π.Χ. Πασχαλίδης	2010	9789604890699

Recommended Textbooks/Reading:

Authors	**Title**	**Publisher**	**Year**	**ISBN**
Frederic H. Martini, Edwin F. Bartholomew	Essentials Of Anatomy & Physiology	Benjamin Cummings	2008	0321570073