



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Functional Anatomy in Sport							
Course Code		BSÖ594		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	175 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is learning general concepts of anatomy and anatomic terminology, general and special knowledge about bones, joints and muscles, circulatory, respiratory, digestory, genitourinary, nervous systems and sensory organs.							
Course Content		Introduction to anatomy, general concepts in anatomy, general and special terms of anatomy. General knowledge on bones, vertebral column and vertebrae, thorax, skull bones and the whole skull, bones of the upper and lower extremity. General knowledge about joints, types of joints, joints of the cranium, upper and lower extremity, vertebral column and pelvis. General and special knowledge on the muscular system. General knowledge on the circulatory system, anatomy of the heart, vessels and nerves of the heart, arterial, venous and lymphatic systems, topographic anatomy of the circulatory system. General knowledge on the respiratory system, nose, larynx, bronchi, lungs, pleura and anatomy of the mediastinum. Anatomy of the mouth, teeth and its masticatory function, clinical and functional anatomy of the alimentary organs. Functional and clinical anatomy of the kidneys, ureters, urinary bladder, male and female genital organs; topographic anatomy of the genitourinary system. Topographic anatomy of the endocrine organs. Anatomy of the skin, smell, eye, ear and taste organs. General knowledge about the ervous system, central nervous system, brain membranes, anatomy of the brain, cerebellum, pons and spinal cord. General knowledge on the peripheral nervous system, anatomy of the peripheral and autonomic nervous systems.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Anatomy Volume 1 and Volume 2 (Kaplan Arıncı, Alaıttin Elhan) - Sobotta Atlas of Human Anatomy
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Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to anatomy and anatomic terminology
2	Theoretical	Bones of the upper and lower extremity, vertebral column and thorax
3	Theoretical	Bones of the neurocranium and splanchnocranium
4	Theoretical	Joints of the axial ve appendicular skeleton
5	Theoretical	Head, neck muscles
6	Theoretical	Body, thorax and abdomen muscles
7	Theoretical	Muscles of the upper and lower extremity
8	Theoretical	Spinal cord and brain stem anatomy, anatomy of the brain, cerebellum, ventricles and membranes of the brain (Interim Evaluation)
9	Theoretical	Anatomy of the heart, arteries of the head, neck and upper extremity
10	Theoretical	Arteries of the body and lower extremity, veins and lymphatic system
11	Theoretical	Mouth, pharynx, oesaphagus and stomach anatomy, anatomy of the small and large intestines, liver, pancreas and hepatic portal vein
12	Theoretical	Nasal cavity and pharynx, anatomy of the larynx, trachea, lungs and mediastinum
13	Theoretical	Anatomy of the urinary system
14	Theoretical	Anatomy of the male and female genital systems and endocrine system

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	5	5	140
Assignment	1	0	1	1



Individual Work	4	4	4	32
Final Examination	1	1	1	2
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Understanding introduction to anatomy, general concepts in anatomy, anatomic nomenclature and anatomical positions
2	Understanding the skeletal system and all bones of the body.
3	Understanding general information about joints, types of joints and structure of joints of the human body.
4	Acquiring general and special information on muscular system and somatic muscles.
5	Understanding the circulatory system, shape and location of the heart, vessels and nerves of the heart, pericardium, arterial, venous and lymphatic systems, topographic anatomy of the circulatory system, general and special terms of the circulatory system.
6	Understanding the anatomy of the respiratory system and its separate parts.
7	Understanding the anatomy and topography of the genitourinary system.
8	Understanding the topographic anatomy and morphologic features of the endocrine organs.
9	Understanding anatomy of the skin, smell, eye, ear and taste organs.
10	Acquiring general information on the nervous system and special knowledge of its separate parts.

Programme Outcomes (Physical Education and Sports Master)

1	Uses application and problem solving skills in interdisciplinary studies.
2	Develops basic scientific knowledge and attitude appropriate to body and sport.
3	Interpret the results of test development and measurement for the development of individuals in physical education and sport.
4	Explains the scientific methods in physical education and sports.
5	Follow national and international developments in the field and maintain professional development.
6	Beden eğitimi ve spor örgütlerinin örgüt iklimi ve kültürünü tanımlar.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
P1	4	5	3	5	4	5	4	5	4	5
P2	4	4	5	5	5	4	4	5	5	4
P3	5	4	5	3	5	3	5	3	4	3
P4	3	3	4	4	3	4	5	3	3	3
P5	5	5	5	5	5	5	5	5	5	5
P6	4	4	3	3	4	3	4	4	4	4

