

1. Tantárgyelem neve:	Functional Anatomy	Kreditértéke:	3
Tantárgyelem besorolása:	kötelező		
A Tantárgyelem elméleti vagy gyakorlati jellegének mértéke, "képzési karaktere":		elmélet (%):	100
		gyakorlat (%):	
A tanóra típusa:		előadás	
óraszám, az adott félévben:	24		
Az adott ismeret átadásában alkalmazandó további módok, jellemzők: órai demonstrációk, előadások			
A számonkérés módja:		kollokvium	
A tantárgyelem tantervi helye (hányadik félév):	3		
Előtanulmányi feltételek:	-		
<p>Tantárgyelem-leírás: /Description: This course provides the latest knowledge about the structure (anatomy) and function (physiology) of human organism of healthy adults and youth (aged 3 to 7).</p> <p>CONTENT OF THE COURSE:</p> <ul style="list-style-type: none"> • The cell. The size, the shape, the components and the physiology of the cell. • Tissues. The structure, the function, and the types of the tissues. • The locomotive system. The role and the structure of the skeletal system. The shape, the structure, the growth and the joints of the bones. The development and characteristics of the skeletal system in kindergarten aged children. The structure, the function, and the types of the muscles. The structure of the muscular system. The development and characteristics of the muscular system in kindergarten aged children. The effects of sport, physical training and fresh air on the development of the locomotive system of children aged 3-7 years. • The circulatory system. The structure, the innervation, the function of the heart. The blood vessels and the blood circles. The composition of blood. The immune system. The development of the immune system of children aged 3-7 years. • The respiratory system. The role, the function, the sections of the respiratory system and its characteristics of children aged 3-7 years. • The digestive system. The role, the function, the sections of the digestive system. The characteristics of the digestive system of children aged 3-7 years. The importance of healthy nutrition of children aged 3-7 years. • The urinary system. The role, the function, the sections of the urinary system. The characteristics of the urinary system of children aged 3-7 years. • The nervous system. The structure, the function, the development of the nervous system. The function of the central nervous system, the reflex, the reflex arc. The brain and the spinal cord. The controlling function of the peripheral nervous system. The characteristics of the central and the peripheral nervous system of children aged 3-7 years. • The senses. The structure, the function and characteristics of the senses of children aged 3-7 years. 			

- The endocrine system. The structure of the neuro-endocrine system and their connection to the nervous system. The effect of the hormones.
- The reproductive system. The build of the male and female genital organs. Coitus, fertilization and implantation. Gestation. Development of the embryo and fetus. Birth. Sexual life of Homo sapiens, birth control and contraception. The sexual diseases.
- The major illnesses of the different systems of organs.

KÖTELEZŐ IRODALOM / Compulsory literature

1. Parramón's Editorial Team (2001): *Essential Atlas of Anatomy*. Barron's Educational Series.

AJÁNLOTT IRODALOM / referred literature

1. Netter, F. H. (2014): *Atlas of human anatomy*. Elsevier, Philadelphia, USA.

2. Drake, L.R.; Vogl, A.W., Mitchell, A.W.M. (2014): *Gray's anatomy for students*. Elsevier, Philadelphia, USA.

TUDÁS/knowledge

Students get in-depth knowledge about the structure and function of adults' and children's (aged 3 to 7) body.

KÉPESSÉG / ability

They can be able to plan, organize and manage health education activities.

Applying the professional-scientific criteria, they choose the range of library and electronic sources in the literature and utilize them creatively in their work.

They can process knowledge independently and critically. They can plan and organize their own learning and use the widest range of available resources.

ATTITÚD /attitude

His personality and activities are characterized by the respect and unconditional acceptance of the child; he/she accepts the diversity of human nature.

He/she is characterized by non-prejudice, tolerance, social sensitivity, with helping attitude, an inclusive and multicultural approach, and strives to preserve and promote cultural identity and to integrate into the children's community.

He accepts that school education is child-centered, inclusive, and the pedagogical effects applied must be adapted to the child's personality.

He is open to learn about and apply new theories and methods related to his work.

AUTONÓMIA-FELELŐSSÉG /autonomy-responsibility

In the areas within their competence, they take responsibility for the development of the children entrusted to them, for the effective establishment and development of their key competencies.

He/she has a social sensitivity and a sense of community.

A tantárgyelem felelőse

Név:	Vitályos Gábor Áron	Beosztás:	egyetemi docens
Tudományos fokozat:	PhD		