

**2021/2022. ACADEMIC YEAR
PROGRAM OF STUDY (For students of 1st year)**

Full name of the subject: Anatómia							
Program: undivided program (pharmaceutical)							
Schedule: full-time							
Short name of the subject:							
English name of the subject: Anatomy (theory)							
German name of the subject: Anatomie (Vorlesung)							
Neptun code of the subject: GYKANT118E1A							
Type of registration: obligatory/obligatory elective/elective/criteria requirement							
Responsible department: Department of Anatomy, Histology and Embryology of Semmelweis University							
Responsible tutor: Dr. Ágnes Csáki				Title, academic degree: associated professor, Ph.D.			
Contact information: 53652, csaki.agnes@med.semmelweis-univ.hu							
Name of the persons responsible for the teaching of the subject: Dr. Bódi Ildikó Dr. Herberth-Minkó Krisztina Dr. Károly Norbert Szászné Dr. Kocsis Katalin Dr. Puskár Zita				Title, academic degree: assistant professor, Ph.D. assistant professor, Ph.D. assistant professor, Ph.D. assistant professor, Ph.D. senior research fellow, Ph.D.			
Classes per week: 2 lecture(s) 0 practice(s)				Credit point(s): 2			
Professional content, intent of acquirement and it's function in order to implement the goals of the program: Course principles: Principles: - to teach the terminology of the human anatomy to the future pharmacists - to discuss those special anatomical and physiological conditions which may influence the therapeutical considerations; - to discuss those anatomical conditions, wich are necessary for the understanding of the further medical subjects of the pharmacists' studies; - to teach the terminology (Latin and English) of human body parts (at a gross and microscopical anatomical level) necessary for the understanding of the medical language during the communication between the pharmacists and the doctors. Special attention is required concerning the anatomy of the central nervous system and the digestive tract, the absorption of medicines and their mechanism of action.							
Short description of the subject: The lectures include all topics of anatomy, histology and embryology. Locomotor system, internal organs, nervous system, general and detailed histology, general embryology and development of organs are the topics of the lectures.							
<i>Course data</i>							
Recommen- ded term	Contact hours (lecture)	Contact hours (practice)	Contact hours (seminar)	Individual lectures	Total number of contact hours/semes- ter	Normal course offer	Consultations
2	28	0			28	Autumn semester* <u>Spring semester*</u> Both semesters* (* Please underline)	

Program of semester

Topics of theoretical classes (pro week):

1st week:

1. Introduction, Locomotor System
2. Skull, vertebral column, head, neck muscles

2nd week:

3. Basic tissues I
4. Basic tissues II, Skin

3rd week:

5. The Immune System, the Lymphoid Organs
6. Blood, hematopoiesis

4th week:

7. Heart, the Vascular System
8. The Respiratory System, the Mechanics of Breathing

5th week:

9. The Digestive System I, abdominal cavity
10. The Digestive System II

6th week:

11. The Liver, the Pancreas
12. The Kidneys and the Urinary tract

7th week:

13. The Female Reproductive Organs, cycle
14. The Male Reproductive Organs, Pelvis

8th week:

15. Nervous System introduction (synapses, neurotransmitters) Spinal cord, spinal nerves
16. Central Nervous System, meninges, blood supply, CSF, Encephalon, Spinal cord, Spinal nerves

9th week:

17. Motor system, Sensory system, Limbic system
18. Cranial nerves, The Autonomic Nervous System

10th week:

19. The Eyeball and Visual system
20. The Organ of Hearing and Equilibrium.

11th week:

21. Midterm
22. Midterm

12th week:

23. Hypothalamus, the Endocrine Organs I
24. The Endocrine Organs II

13th week:

25. Germ cells, Fertilization, Development of the fetus, Placenta,
26. Teratology

14th week:

27. Development of the Digestive System and Reproductive organs
28. Malformations

Topics of practical classes (pro week): -

Schedule of consultations: -

Course requirements

Prerequisites: Biology I., Medical Terminology, First Aid

Conditions of attending the classes, amount of acceptable absents, way of presentation of leave, opportunity for makeup: (Attendance of a minimum of 75% of practices is necessary for the end-term signatures. There is no makeup opportunity.)

Number, topics and dates of tests during the semester, opportunities of makeup and improvement of results: 11th week: demonstration, "non-compulsory assessment", its result "can be taken into consideration when ... forming the term grade or examination grade" („Study and Examination Regulations" Article 28 (4))

Requirements of signature: (Attendance of a minimum of 75% of practices is necessary for the end-term signatures.)
Number and type of projects students have to perform independently during the semester and their deadlines: -
Type of the semester-end examination: signature/practical grade/<u>semi-final</u>/final
Form of the semester-end examination: written (Moodle, electronic) test
Prescribed practices outside of the university: -
Scientific, course related researches, publications, assays: -
Necessary equipment: Lecture hall for the lectures.
The course description was prepared by: Dr. Csáki Ágnes, Dr. Kocsis Katalin