

Closed questions	MCQs with 1 correct answer from two or more options	1	30 sec	90	90	90	45 min	45 min	79 min
Open questions	Short answers	2/3	2 min	7	9	20	14 min	34 min	
	Long answers	5	10 min	2		10	20 min		
PHARMACY									
Closed questions	MCQs with 1 correct answer from two or more options	1	30 sec	80	80	80	40 min	40 min	40 min

The exempted students from some sections of the exam will attend shorter exam lasting half of the given time, more details will be given on the website of the department: www.anatomy.plcnet.org

4. Students have to switch on the cameras and the microphones immediately after receiving the test, and they have to be switched on during the whole exam!
5. Depending on the quaestor judgement they can demand from the students to share their screen or give another look under different angle to the room.
6. Students have to fill the answers of all questions, if they leave a question without an answer, they will not be able to submit their test.
7. When the students finish the test they press **Submit**.
8. Tests, received after the ending time, will not be evaluated, so the students will receive poor mark.
9. These instructions are subject to update at unexpected technical difficulties and in the process of improving the exam methods and procedures.

Rules for the evaluation depending on the achieved results

1. The evaluation scale of the results from the test is as it follows:

0 %- 60 % - 2 (poor)

60 %- 70 % - 3 (average)

70 % - 80 % - 4 (good)

80 % - 90 % - 5 (very good)

90 %- 100 % - 6 (excellent)

2. The final grade from the exam determines to what degree the student has achieved the purpose of the education set in the beginning. It is multicomponent and includes grade from the final exam and grade from current control. A coefficient of significance is determined for each of the components participating in the final exam, the total summary of the coefficients has to be always 1. The final grade is a summary of the grades from the different components multiplied by the corresponding coefficients of significance:

$$Q_{\text{final grade}} = \kappa_1 Q_{\text{grade from current control}} + \kappa_2 Q_{\text{grade from exam}}$$

$$\kappa_1 = 0.20; \kappa_2 = 0.80.$$

3. The results from the exam will be announced after forming a complex grade.

Recommended materials for students

All the materials from the lectures in Anatomy and Cytology, Histology and Embryology for the summer semester of 2019- 2020 will be uploaded in SharePoint in the platform Microsoft Office 365. Conspects, recommended sources for education and announcements for the exams will be given in the website of the department: www.anatomy.plcnet.org.

Textbooks

Central Nervous System. Vankov's Anatomy, M. Vankova. STENO publ.house, Varna, 2015.

Gray's Anatomy for Students, Elsevier; 4th edition, 2019.

Stevens, Lowe, Human Histology, 2nd edition, Chapman and Hall, 1997.

Sobotta Anatomy Textbook: English Edition with Latin Nomenclature. Jens Waschke, Tobias M. Böckers, Friederich Paulsen eds., 1st edition, Urban & Fischer, 2019.
<https://www.elsevier.com/books/sobotta-anatomy-textbook/paulsen/978-0-7020-6760-0>.

High-Yield Neuroanatomy (High-Yield Series) by James D. Fix (Sep 2, 2008).

Functional Neuroanatomy: Text and Atlas, 2nd Edition (LANGE Basic Science) by Adel Afifi and Ronald Bergman (Jan 28, 2005).

Chaurasia BD. Human anatomy. Regional and applied. Third edition. CBS Publishers & distributors. New Delhi, India, 1998.

Romanes GJ. Cunningham's manual of practical anatomy. Thorax and abdomen. Oxford University Press. New York, 1996.

Patrick W. Tank. Grant's Dissector (Tank, Grant's Dissector). 14th Edition. Lippincott Williams & Wilkins, 2008.

Basic Histology, I.C. Janqueira

Clinical and Functional Histology for Medical Students, Richard S. Snell

Histology, R. Henrikson

Histology – A Text and Atlas, M. Ross, Sixth edition

Human embryology, Inderbir Singh, Sixth edition

Fundamentals of Anatomy and Physiology for nursing and Healthcare students, edited by Ian Peate and Muralitharan Nair, Wiley Blackwell, 2017.

B. Kitov, T. Karamanlieva, T. Kitova, N. Traykova, I. Kehayov, D. Milkov, Clinical neuroanatomy, Lax Book, Plovdiv, 2017.

Handbooks

MCQs in anatomy. A self-testing supplement to human anatomy. Locomotory & Central Nervous System. S.T. Sivkov, S.S. Novakov. 2012.

Atanassova P, Koeva I, Petrova E, Penkova N, Trichkova V. A Practicum of Organ Histology with CD – Interactive atlas of anatomy and histology of internal organs, edition of the Department of anatomy, histology and embryology, Medical University of Plovdiv.

S. Novakov, Y. Koeva, A. Fusova, F. Popova. MCQs in anatomy, a self-testing supplement to human anatomy - All Systems (For Dental Students), Med Publ House "Lax Book", Plovdiv, 2014.

P. Atanassova, Y.Koeva, E.Petrova, N.Penkova, V.Trichkova. A practicum for laboratory exercises in histology and embryology - part I., Plovdiv. ISBN- I 954-9806-30-8

P. Atanassova, Y.Koeva, E.Petrova, N.Penkova, V.Trichkova. A practicum for laboratory exercises in histology and embryology - part II, Plovdiv. ISBN-II 954-9806-31-6

Yveta Koeva, Pepa Atanassova, Elisaveta Petrova, Nadja Penkova, Valentina Trichkova Handbook in Cytology, Histology and Embryology, Ed. Y. Koeva, Plovdiv PH VAP, 2011, ISBN 978-954-8326-33-9

S.T.Sivkov, P.K. Atanasova, S.S. Novakov. MCQ's in Anatomy. A self-testing supplement to human anatomy. Internal organs and topographic anatomy. Medical Publishing House "VAP", Plovdiv, Publishing House "Makros", Plovdiv. 2013. ISBN 978-954-702-986

Atlases

Sobotta. Atlas of Human anatomy, 15th edition, Urban & Fisher, 2011

Drake R, Wayne Vogl A., Mitchell A, Gray's Atlas of Anatomy, 2e, 2015, Churchill Livingstone.

Krstic, Human Microscopic Anatomy, Springer, 1997.

Delchev S., Novakov S., Ivanova R. Photographic atlas of human anatomy, ed. S.Sivkov, Lax book, 2019, Plovdiv.

Delchev S., Novakov S., Ivanova R. Photographic atlas of human anatomy, bilingual edition, ed. S.Sivkov, Lax book, 2016, Plovdiv.

Website of the Department of Anatomy, Histology and Embryology:

www.anatomy.plcnet.org