

FACULTY OF MEDICINE

TOPICS AND BIBLIOGRAPHY OF THE ADMISSION EXAM AUGUST-SEPTEMBER 2026

STUDY PROGRAMS – MEDICINE, MEDICINE (IN ENGLISH), MEDICINE (IN FRENCH)

BIOLOGY

Written test

1. Introduction to anatomy and physiology
2. Cells and cell physiology
3. Tissues
4. Tegument system
5. Bones and joints
6. Osseous system
7. Muscular tissue
8. Muscular system
9. Nervous tissue
10. Organization of the nervous system
11. Sense organs
12. Endocrine system
13. The blood
14. Cardiovascular system
15. Respiratory system
16. Digestive system
17. Metabolism and nutrition
18. Urinary system
19. Male reproductive system
20. Female reproductive system

Recommended literature:

1. BARRON'S – Anatomie și fiziologie umană pentru admiterea la facultățile de medicină, under the edition of Barbara Krumhardt and I. Edward Alcamo
2. Biologie, manual pentru clasa a XI-a – Cristescu D., Sălăvăstru C., Voiculescu B., Niculescu C., Cărmăci R., Editura Corint, București, 2014
3. Biologie – Manual pentru clasa a XI, Autori: Roșu Ionel, Istrate Călin, Ardelean Aurel, Editura Corint, 2006 (or 2008 edition)
4. Anatomia și fiziologia umană, manual pregătit pentru admiterea în învățământul superior – Aurel Ardelean, Ionel Roșu, Călin Istrate, Valentin Vașloban, ed. Corint, ISBN: 973-9413-72-2, Biblioteca Universitară U.V.V.G. Arad

5. Atlas of Human Anatomy (5th Ed.) – Frank H. Netter
6. Atlas d'anatomie humaine (4th ed.) - Frank H. Netter
7. <https://editura.uvvg.ro/product-category/examene-si-teste/>

ORGANIC CHEMISTRY

Written test

1. Composition and structure of the organic compounds

Chemical links. Carbon atom chains..

Composition and structure of the organic compounds

Classification of the organic compounds

Isometry. Isomers of constitution and stereo-isomers.

2. Organic compounds with simple functions

Alcohols

Phenols

Amines

Carboxylic acids and derivatives of carboxylic acids

3. Organic compounds with mixt functions

Saccharides (carbohydrates)

4. Organic compounds with biological importance

Proteins

Fats

Vitamins

Medicines and drogues

Recommended literature:

1. Luminița Vlădescu, Corneliu Tărăbășanu-Mihăilă, Luminița Irinel Doicin. **Chimie – manual pentru clasa a X-a**, Grup Editorial Art, 2010
2. Elena Alexandrescu, Viorica Zaharia, Mariana Nedelcu. **Chimie C1, clasa a XI-a**, Editura LVS Crepuscul, 2006
3. <https://editura.uvvg.ro/product-category/examene-si-teste/>

Approved in the Council of the Faculty of Medicine of 16.02.2026.

DEAN,
Assoc. prof. Casiana BORU, MD PhD
Faculty stamp and illegible signature