

2023/2024.

THE CALL



FACULTY OF PHARMACY

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UNIVERSITY OF
BELGRADE

STUDY PROGRAM FOR WHICH A CALL HAS BEEN ANNOUNCES:

Doctoral academic studies - Pharmaceutical Sciences in English (180 ECTS)

NUMBER OF VACANCIES FOR STUDENTS:

Pharmaceutical Sciences – 6 self-financing students.

CONDITIONS:

A candidate who has completed undergraduate and master academic Studies, i.e., integrated studies obtaining at least 300 ECTS credits, or completed at least four-year studies according to the regulations that were valid until the enactment of the Law on Higher Education and the overall average grade of at least 8 can apply for enrollment in doctoral studies. Also, candidates who have an overall average grade of less than 8 can apply for enrollment, if they have two papers published in journals of categories M21, M22 and / or M23, and which have an impact factor value greater than zero - provided that applicant one of the first three authors.

The study programme of doctoral academic studies prescribes the appropriate completed master academic studies, i.e., integrated studies as a condition for enrollment in doctoral studies.

A person who knows one world language can enroll in doctoral studies.

Special conditions (modules):

Drug Analysis:

Faculty of Pharmacy, Faculty of Medicine (Pharmacy department) and candidates who have completed study programmes within the scientific field of chemistry and physical chemistry.

Bromatology:

Faculty of Pharmacy, Faculty of Medicine, Faculty of Chemistry, Faculty of Technology and Metallurgy

(study program: Biochemical Engineering and Biotechnology), Faculty of Agriculture (study program Food technology). Candidates who have not graduated at the Faculty of Pharmacy or Medicine, must take a differential exam. The differential exam is taken after recognition and submission of documents. The exam is prepared on the basis of the card of the Physiology - selected chapters and the literature proposed in the card. The scope of the differential exam is 100 points. The exam will be passed if the candidate has at least 51% correct answers. After passing the exam, the candidate will be ranked within the ranking list according to the conditions of the contest.

Medical Biochemistry:

Faculty of Pharmacy, Faculty of Medicine, Faculty of Veterinary Medicine, Faculty of Dentistry, Faculty of Chemistry (study programme: Biochemistry). Candidates who have completed study programmes within the scientific field of chemistry and biology, must take a differential exam in Medical Biochemistry. The differential exam is taken after registration and submission of documents. The exam is prepared on the basis of the card of the subject Medical Biochemistry (and teaching units) and the literature proposed in the card. The scope of the differential exam

is 100 points. If the candidate has 51% correct answers, he/ she will be ranked within the ranking list of module.

Microbiology and immunology:

Faculty of Pharmacy, Faculty of Medicine, Faculty of Dentistry, Faculty of Biology.

Pathobiology:

Faculty of Pharmacy, Faculty of Medicine, Faculty of Dentistry, Faculty of Biology.

Social pharmacy and pharmaceutical legislation:

Faculty of Pharmacy, Faculty of Medicine, Faculty of Veterinary Medicine, Faculty of Dentistry. Candidates who have not graduated at the Faculty of Pharmacy, must take a differential exam. The differential exam is taken after recognition and submission of documents. The exam is prepared on the basis of the card of the subject Pharmaceutical practice and the literature proposed in the card. The scope of the differential exam is 100 points. If the candidate has 51% correct answers, the exam will be passed. After passing the exam, the candidate will be ranked within the ranking list, according to the conditions of the contest.

Toxicology "Academician Danilo Soldatovic":

Faculty of Pharmacy, Faculty of Medicine, Faculty of Veterinary Medicine, Faculty of Dentistry, Faculty of Biology, Faculty of Chemistry, Faculty of Technology and Metallurgy, Faculty of Agriculture.

Pharmacognosy:

Faculty of Pharmacy. Candidates who have completed other study programmes within the field of medical sciences, as well as candidates who have completed study programmes within the scientific field of biology, chemistry, biotechnology must take a differential exam in the subject Pharmacognosy. The differential exam is taken after registration and submission of documents. The exam is prepared on the basis of the card of the subject Pharmacognosy (and teaching units) and the literature proposed in the card. The scope of the differential exam is 100 points. If the candidate has 51% correct answers, the exam will be passed. After passing the exam, the candidate will be ranked within the ranking list according to the conditions.

Pharmacology:

Faculty of Pharmacy, Faculty of Medicine, Faculty of Veterinary Medicine, Faculty of Dentistry, Faculty of Biology.

Pharmacokinetics and clinical pharmacy:

Faculty of Pharmacy, Faculty of Medicine.

Pharmaceutical Technology and cosmetology:

Pharmaceutical Technology: Faculty of Pharmacy (study programme: Pharmacy), Faculty of Physical Chemistry, Faculty of Technology and Metallurgy (study programmes: Biochemical Engineering and Biotechnology, Materials Engineering and Chemical Engineering), Faculty of Electrical Engineering (study programme: Biomedical and Ecological Engineering).

Candidates who have not graduated from the Faculty of Pharmacy shall take the differential exam. The differential exam is taken after registration and submission of documents. The exam is prepared on the basis of the card of the subject Pharmaceutical Technology 1, 2 and 3 (and teaching units) and the literature proposed in the card. The scope of the differential exam is 100 points. The candidate must have 51% correct answers. After passing the exam, the candidate will be ranked within the ranking list according to the conditions.

Cosmetology: Faculty of Pharmacy, Faculty of Medicine, Faculty of Dentistry, Faculty of Technology and Metallurgy.

Pharmaceutical Chemistry:

Faculty of Pharmacy, Faculty of Medicine (Department of Pharmacy), Faculty of Chemistry.

Physiology:

Faculty of Pharmacy, Faculty of Medicine, Faculty of Veterinary Medicine, Faculty of Dentistry, Faculty of Biology.

Prerequisite for enrollment in a study program conducted in English is proof of knowledge of English at a higher intermediate level of competence = B2 - Cambridge Advanced Certificate in English (CAE) or IELTS (International English Language Testing System) or completed high school education in English.

CRITERIA FOR DETERMINING THE ORDER OF CANDIDATES ON THE RANKING LIST:

The order of candidates for enrollment in doctoral studies is determined on the basis of the overall average grade achieved in undergraduate and master academic studies, the length of study in undergraduate and master academic studies, achieved scientific results and other conditions prescribed by the general act of the Faculty.

The overall average grade of study (OAG) is calculated on the basis of the average grades of study in undergraduate studies (GrUS) and master academic studies (GrMS), weighted by the duration of the study programme in undergraduate and master academic studies expressed in ECTS (UScredit and MScredit):

$$\text{Overall Average Grade (OAG)} = \frac{\text{GrUS} \times \text{UScredit} + \text{GrMS} \times \text{MScredit}}{\text{UScredit} + \text{MScredit}}$$

For candidates who have completed integrated studies, the average grade achieved in those studies, the length of study, the achieved scientific results and other conditions prescribed by the general act of the Faculty are taken.

For candidates who have acquired higher education according to the regulations that were valid until the entry into force of the Law, an average grade in undergraduate studies is taken, which includes thesis, if any.

The order of candidates is determined according to the following scoring model:

- a) Average grade (OAG) during the study - maximum 85 points;

- The average grade is weighted by the length of study (LS) in years / quarters according to the length of the study programme (LSP) according to the formula: $OAG \times LSP / LS$
- The weighted average grade is multiplied by 7,
- Except for integrated academic studies, the average grade of study is calculated on the basis of average grades of study in undergraduate studies (GrUS) and master academic studies (GrMS), weighted by the appropriate number of ECTS (UScredit, MScredit):

$$OAG = GrUS \times UScredit + GrMS \times MScredit / UScredit + MScredit$$

- b) Interview with the candidate - maximum 10 points;
- c) Earlier participation of applicants in scientific research work - 5 points.

Points for scientific research work are obtained on the basis of evidence of scientific research work. The minimum proof is 1 Abstract published in the book of abstracts or similar. The evaluation of scientific research work is performed by the commission for doctoral studies.

TUITION FEE:

Tuition fee for foreign citizens and for the study programme in English amounts EUR 5,000.00.