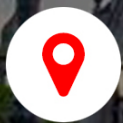


DER SAMMLUNG WISSENSCHAFTLICHER ARBEITEN ZU DEN MATERIALIEN DER

VI INTERNATIONALEN WISSENSCHAFTLICH-PRAKTISCHEN KONFERENZ

«Grundlagen der modernen
wissenschaftlichen Forschung»



Zürich
Schweiz



24. Mai
2024



**Internationaler Verein
zur Förderung der Wissenschaft
der Kreativen Intelligenz &
Europäische Wissenschaftsplattform**



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«GRUNDLAGEN DER MODERNEN WISSENSCHAFTLICHEN FORSCHUNG»



Zürich,
Schweiz



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2024



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CHARACTERISTICS OF THE ORGANISATION OF TEACHING OF THE ELECTIVE DISCIPLINE “FUNCTIONAL BIOCHEMISTRY” UNDER THE EDUCATIONAL AND PROFESSIONAL PROGRAMME “PHARMACY”

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Introduction. One of the trends in the development of higher medical (pharmaceutical) education in Ukraine is the transition from the traditional model of education to a student-centred educational process. Student-centred learning is the main principle of improving the quality of education, which involves the active position of students in the educational process, the acquisition of the necessary competencies during their studies, responsibility for their own learning activities aimed at achieving the set goals and obtaining the planned result [1]. Ukrainian educational law defines the right of higher education students to an individual educational path, which is implemented, in particular, through the free choice of academic disciplines and their level of complexity [2, 3]. Disciplines of free choice or elective disciplines allow higher education students to deepen their knowledge of disciplines or components of disciplines that are not included in the

course of study of normative disciplines, to acquire additional general and professional knowledge, in particular within the specialty or within a related specialty; allow specialisation within the basic specialty to form the competencies of higher education students in accordance with the requirements of the labour market [4].

Objective: To summarise the experience of teaching the elective discipline “Functional Biochemistry” at the Department of Drug Chemistry and Drug Toxicology of the Bogomolets National Medical University (Bogomolets NMU).

Main part. Among the elective subjects offered by the Department of Drug Chemistry and Drug Toxicology of the Bogomolets National Medical University to students of the Faculty of Pharmacy, the discipline “Functional Biochemistry” was presented. The aim of teaching the discipline “Functional Biochemistry” is to provide master's degree students with theoretical knowledge of the molecular and biochemical mechanisms of functioning of cells, tissues, organs and the human body under physiological conditions and pathology, possible ways to correct pathological conditions of the body with drugs.

In accordance with the requirements of the educational and professional programme of the second level of higher education for the preparation of masters in the specialty 226 “Pharmacy, Industrial Pharmacy” of the field of knowledge 22 Health Care, the elective discipline “Functional Biochemistry” is studied by students in the third and sixth semesters in the amount of 3 ECTS credits (90 hours), of which 1 ECTS credit includes classroom hours (10 hours of lectures, 20 hours of practical classes) and 2 ECTS credits include student's independent work (60 hours).

The place and importance of the discipline “Functional Biochemistry” in the implementation of the educational and professional programme for masters of pharmacy, its structure, forms of organisation of the educational process, criteria for assessing the results of students' learning activities, a list of basic and auxiliary educational literature, information resources are presented in the work programme of the elective discipline “Functional Biochemistry”, which was approved at a meeting of the cycle methodological commission in the specialty 226 “Pharmacy, Industrial Pharmacy” of the Bogomolets National Medical University.

To implement the educational objectives, the teachers of the Department of Drug Chemistry and Drug Toxicology of the Bogomolets National Medical University have developed an educational and methodological complex (EMC) for the elective discipline “Functional Biochemistry”, which includes a silabus of the elective discipline, video lectures, methodological recommendations for lectures, methodological recommendations for practical classes for students, a workbook for independent work of students (classroom and extracurricular), test tasks for ongoing monitoring of student progress on the distance learning platform. The

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educational and methodological complex is aimed at the successful mastering of the educational material in the discipline “Functional Biochemistry” by students, the development of their creative abilities and the use of their acquired practical skills in their further professional activities.

Conclusion: The inclusion of the discipline “Functional Biochemistry” as a variable component in the educational and professional programme of the second level of higher education for the preparation of masters in speciality 226 “Pharmacy, Industrial Pharmacy” will contribute to the formation of professional competencies in future pharmacists who are able to work in the speciality at the level of world standards.

REFERENCES:

- [1] Bilyakovs'ka O. O., & Binyts'ka K. M. (2023). Studentotsentrovanyy pidkhid yak nova paradyhma yakosti osvith'oho protsesu u zakladakh vyshchoyi osvity. *Humanitarnyy forum*, 7(1), 10–15. [https://doi.org/10.60022/1\(1\)-2GF](https://doi.org/10.60022/1(1)-2GF).
- [2] Verkhovna Rada of Ukraine. (2024, March 24). *On Education. Document 2145-VIII*. Retrieved from: <https://zakon.rada.gov.ua/laws/show/2145-19#Text>
- [3] Verkhovna Rada of Ukraine. (2024, March 24). *On Higher Education. Document 1556-VII*. Retrieved from: <https://zakon.rada.gov.ua/laws/show/1556-18#Text>
- [4] Bogomolets National Medical University. (2020, November 23). *Polozhennya pro zabezpechennya realizatsiyi prava zdobuvachiv vyshchoyi osvity na vil'nyy vybir dystsyplin v NMU imeni O.O.Bohomol'tsya*. Retrieved from: https://drive.google.com/file/d/1jp4baWp7-Eht_wCCKrI_0_A_ojIA19qX/view