

SYLLABUS OF THE EDUCATIONAL COMPONENT
First Aid with Introductory Medical Practice

(the name of the educational component)

for applicants for higher education of 4.10 year of study full-time form of education
(for foreign students studying in English)

of educational program «Pharmacy»

(Educational Program Name)

in specialty «226 Pharmacy, Industrial pharmacy»

(Code and Specialty Name)

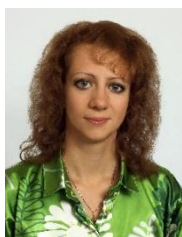
field of knowledge «22 Healthcare»

(Code and Knowledge Field Name)

training for Second (Master's) level of higher education

(Higher Educational Level Name)

TEACHER



Zhabotynska

Nataliia

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1. The name of higher education establishment and department: the National University of Pharmacy, Department Pharmacology with Pharmacotherapy

2. Address of the department: c. Kharkiv, str. Kulikovska,12, (057) 706-30-69.

3. Web site of the department: <https://pharmacolpharmacother.nuph.edu.ua/>

4. Information about teachers:

Zhabotynska Nataliia

PhD of medicine, Associate Professor of the Department Pharmacology with Pharmacotherapy of National University of Pharmacy, Master of Pedagogy of Higher Education, the highest category physician. Experience of scientific and pedagogical work is 18 years. Experience of professional work is 23 years. She teaches educational components: “Pharmacotherapy with Pharmacokinetics”, “First Aid and Introductory Medical Practice”, “Extreme Medicine”. Scientific interests: pharmacotherapy, nephrology, pedagogy of higher education.

5. Consultations: take place every Wednesday from 19.00 to 20.00 in online format.

6. Brief summary of the educational component: The educational component "First Aid and Introductory Medical Practice" is the compulsory subjects for the second (master's) level in the specialty “226 Pharmacy, Industrial pharmacy” (for foreign students studying in English) educational program «Pharmacy», term of study 4 years 10 month. Semester supervision is in the form of a semester credit.

7. The purpose statement of studying the educational component: teach algorithms to students provision of First Aid to the injured and sick in accidents and emergency situations, to acquaint students with higher education with the peculiarities of patient care and the technique of performing various manipulations and procedures.

8. Competences in accordance with the educational program:

Soft- skills / General competences (CG):

GC 1. Ability to act socially responsible and civic conscious.

GC 2. Ability to apply knowledge in practical situations, make reasonable decisions.

GC 6. Knowledge and understanding of the subject area and understanding of professional activity.

GC 7. Ability to adapt and act in a new situation.

GC 11. Ability to assess and ensure the quality of performed work.

GC 13. Ability to realize their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human

and civil rights and freedoms in Ukraine.

Hard-skills / Professional (special) competences (PC):

PC 1. Ability to conduct sanitary and educational work among the population to prevent common diseases, prevent dangerous infectious, viral and parasitic diseases, as well as to facilitate the timely detection and maintenance of adherence to treatment of these diseases in accordance with their medical and biological characteristics and microbiological characteristics.

PC 3. Ability to provide the first aid to patients and victims in extreme situations and emergencies.

PC 20. Ability to develop methods for quality control of medications, including active pharmaceutical ingredients, medicinal plant raw materials and excipients using physical, chemical, physicochemical, biological, microbiological, pharmacotechnological and pharmacoorganoleptic control methods.

The program learning outcomes (PLO):

PLO 3. To adhere to the norms of sanitary and hygienic regime and safety requirements in carrying out professional activities.

PLO 7. To perform professional activities using creative methods and approaches.

PLO 13. To carry out sanitary and educational work in professional activity in case of outbreaks of infectious, viral and parasitic diseases.

PLO 15. To provide home care to patients in emergencies and victims in extreme situations.

10. Status of the educational component: compulsory.

11. Prerequisites of the educational component: the study of the educational component "First Aid and Introductory Medical Practice" is based on the basic knowledge acquired by students of higher education during the study of such educational components as "Human anatomy", "Normal physiology", "Biology and Fundamentals of Genetics", "Microbiology with the Basics of Epidemiology".

12. The volume of the educational component: 3,0 of ECTS credits, number of hours per educational component: general 90, lectures 4, practical classes 44, individual work 46.

13. Organization of training:

The format of teaching the educational component:

Content of the educational component:

Content module 1. First Aid

Topic 1. Understanding about the First Aid. Normative and legal ambush for First Aid. The algorithm of examination the injured person.

Topic 2. General issues of resuscitation. Cardiopulmonary resuscitation.

Topic 3. Drowning. First Aid. Choking, foreign objects in eyes, nose. First Aid.

Topic 4. Bleeding. Methods of temporarily stopping bleeding. First Aid. Shock. First Aid.

Topic 5. Open wounds. First Aid.

Topic 6. Burns (chemical, electrical and other). First Aid. Cold injury, slighting and lightning stroke. First Aid.

Topic 7. Control Content Module 1

Content module 2. Introductory Medical Practice

Topic 8. Asepsis, antiseptics. Bandaging.

Topic 9. Caring for the sick. Medical procedures.

Topic 10. Trauma. Closed injury of soft tissue. Bones and joints injuries. First Aid.

Topic 11. Head, neck, and back injury. First Aid. Lung and respiratory problems. First Aid.

Topic 12. First Aid for different digestive problems. First Aid for potential medical emergencies in therapeutic and neurologic diseases.

Topic 13. Acute poisoning and poisoning of drug. First Aid. Animal bites. First Aid. Emergency childbirth. First Aid.

Topic 14. Control Content Module 3

14. Forms and types of academic achievements supervision:

Forms and types of academic achievements supervision

Progress supervision: oral survey, writing test tasks, solving situational problems.

Supervision of content modules: writing test tasks, solving situational problems.

Semester control form: semester credit.

Conditions for admission to the supervision of content modules: for admission to the supervision of content module 1 and 2, it is necessary to have a minimum number of points for the topics (classes) of content module 1 and 2 respectively.

Conditions for admission to semester supervision: a current rating of more than 60 points, absence of missed practical classes, fulfillment of all requirements stipulated in the work program of the educational component.

15. Evaluation system of the educational component:

Evaluation system of the educational component:

The results of the semester supervision in the form of a semester credit are evaluated according to the ECTS scale, a 100-point scale and non-differentiated scale ("passed", "failed") and on the ECTS scale. a four-point scale ("excellent", "good", "satisfactory", "unsatisfactory").

Points from the educational component are calculated according to this ratio:

Types of evaluation	Maximum number of points (% of the number of points per module - for content modules)
Module 1	
<i>Content module 1: evaluation of topics (1-3):</i> - work in classes (oral survey, writing test tasks, solving situational problems); - <i>supervision of content module 1</i> (writing test tasks, solving situational tasks)	50 (50 %)
<i>Content module 2: evaluation of topics (4-6):</i> - work in classes (oral survey, writing test tasks, solving situational problems); - <i>supervision of content module 2</i> (writing test tasks, solving situational tasks)	50 (50 %)
Semester Supervision of Module 1	100 (100%)

The individual work of applicants for higher education is evaluated during the progress supervision and during the content module supervision

16. Academic policies of the educational component:

The policy of the educational component ("rules of the game") is determined by the requirements of the department to the applicant for higher education when studying the educational component regarding academic integrity, regarding attending classes, regarding deadlines, working out, increasing the rating, liquidating academic debts, regarding contesting the evaluation of the educational component (appeals), etc. In this point, the Regulations and other normative documents of the National University of Pharmacy are specified, in accordance with which requirements are set for the applicant for higher education when studying the educational component and the policy of the department is formed.

Academic Integrity Policy. It is based on the principles of academic integrity stated in the POL "On measures to prevent cases of academic plagiarism at the National University of Pharmacy". Cheating during the evaluation of an applicant for higher education during supervision activities in practical (seminar, laboratory) classes, supervision of content modules and the semester exam is prohibited (including the use of mobile devices). Abstracts must have correct text references to the used literature. The detection of signs of academic dishonesty in the student's written work is a reason for the teacher not to credit it.

Class attendance policy. An applicant for higher education is obliged to attend classes (POL "On the organization of the educational process of the National University of Pharmacy ") according to the schedule (<https://nuph.edu.ua/rozklad-zanyat/>), to observe ethical norms of behavior.

Policy regarding deadlines, working out, rating increase, liquidation of academic debts. The completion of missed classes by an applicant for higher education is carried out in accordance with the POL "Regulations on the completion of missed classes by applicants and the procedure for eliminating

academic differences in the curricula of the National University of Pharmacy" in accordance with the schedule for working out missed classes established by the department. Increasing the rating and liquidating academic debts from the educational component is carried out by the applicants in accordance with the procedure specified in the POL "On the procedure for evaluating the results of training of applicants for higher education at the National University of Pharmacy ". Applicants of higher education are obliged to comply with all deadlines set by the department for the completion of written works from the educational component. Works that are submitted late without valid reasons are assessed at a lower grade - up to 20% of the maximum number of points for this type of work.

Policy on appeals of evaluation of the educational component (appeals). Applicants for higher education have the right to contest (appeal) the evaluation of the educational component obtained during control measures. The appeal is carried out in accordance with the POL "Regulations on appealing the results of the final supervision of knowledge by applicants of higher education at the National University of Pharmacy".

17. Information and educational and methodical support of the educational component:

<p>The main reading suggestions</p>	<p>1. Lectures of pharmacotherapy with pharmacokinetics: Tutorial for foreign students of higher education staff / I.V. Kiryev, N.V. Zhabotynska, O.A. Riabova at all. – Kharkiv : NUPh : 2019. – 140 p.</p>
<p>Supplementary reading suggestions for in-depth study of the educational component</p>	<p>1. Beau Griffin Survival Medicine & First Aid: The Leading Prepper's Guide to Survive Medical Emergencies in Tough Survival Situations, 2020, P.118 2. Tao Le, Vikas Bhushan First Aid for the USMLE Step 3, Fifth Edition 5th Edition, McGraw Hill / Medical; 5th edition, 2018, P. 520 3. Grant S. Lipman The Scouting Guide to Wilderness First Aid: An Officially-Licensed Book of the Boy Scouts of America: More than 200 Essential Skills for Medical ... in Remote Environments (A BSA Scouting Guide), 2019,P. 192 4. Clement I. Textbook on first aid & emergency nursingg, 2019, P. 780 5. Alton L. Thygerson, Steven M. Thygerson, Advanced First Aid, CPR, and AED, Eighth Edition, 2022, P. 453.</p>
<p>Current electronic information resources (magazines, websites) for in-depth study of the educational component</p>	<p>1. NFAU. Online tests. Preparation for independent testing of KPOK [Electronic resource] / National University of Pharmacy. – Access mode: http://tests.nuph.edu.ua/ 2. The site of the Pharmacology and pharmacotherapy department [Electronic resource] / National University of Pharmacy. – Access mode : https://pharmacolpharmacother.nuph.edu.ua/en/ 3. NPhaU Library: [Electronic resource] / National University of Pharmacy. – Access mode : http://lib.nuph.edu.ua/?lng=ua 4. First aid [Electronic resource] / Mayo Foundation for Medical Education and Research. – Режим доступу : http://www.mayoclinic.org/first-aid 5. Дистанційне навчання [Electronic resource] / National University of Pharmacy. –</p>

	Access mode: https://pharmel.kharkiv.edu/moodle/
Moodle distance learning system	https://pharmel.kharkiv.edu/moodle/course/view.php?id=3680

18. Technical support and software of the educational component: educational equipment and technical means of education (phantoms-dummies, visual materials, products medical purpose); multimedia projector, presentations, recommended videos.