

Odessa National Medical University
Faculty of Pharmacy
Department of Drug Technology

Syllabus course
«Homeopathic drugs»

Amount	Total number of hours - 90; number of ECTS credits - 3.
Semester, year	V semester, III year of study
Days, time, place	According to the approved schedule
Teacher	Ph.D., Borisyuk I. Yu., Candidate of Pharmaceutical Sciences, Associate Professor Fizzor N.S., Candidate of Pharmaceutical Sciences, Associate Professor Sushchuk N.A.,
Contact phone	0674843417
E-mail	Sushchuk N. A.: natali.sushchuk@gmail.com
Work place	Department of Drug Technology, office.122
Consultations	<i>Online consultations</i> : remotely on the Microsoft Teams platform

COMMUNICATION

Communication in the audience on schedule. Other types of communication: face-to-face consultation on a schedule, remotely on the Microsoft Teams platform and with the help of an e-mail lecturer. The solution of «working issues» is possible by the specified phone number.

COURSE ANNOTATION

Subject of study of the discipline «Homeopathic remedies»: acquaintance with the basics of homeopathic treatment, theories on the mechanisms of action of homeopathic medicines, prescribing, technology of preparation of various homeopathic medicines, features of natural raw materials in homeopathy and application of qualitative analysis of homeopathic remedies modern instrumental methods of analysis.

Course prerequisites: the discipline belongs to the compulsory disciplines and is based on the knowledge gained in the study of general disciplines: Latin, botany, analytical chemistry, pharmacy drug technology, pharmacognosy, pharmacology, pharmaceutical chemistry, toxicological chemistry.

Postrequisites of the course: knowledge gained after the study of this discipline is necessary for the study of such disciplines as: industrial technology of medicines, biopharmacy, pharmaceutical biotechnology.

The purpose of the course is to teach students the ability to act socially responsible and civic consciously, to apply knowledge in practical situations, to strive to preserve the environment, the ability to abstract thinking, analysis and synthesis; ability to learn and be modernly trained, to have skills in the use of information and

communication technologies, the ability to evaluate and ensure the quality of work performed.

Tasks of the discipline:

- 1) know the basic principles of homeopathy;
- 2) know the composition of dosage forms, characteristics and range of medicinal and excipients used in homeopathy;
- 3) have the basics of organizing the technological process of preparation of various homeopathic medicines;
- 4) use knowledge of modern instrumental methods of analysis of homeopathic medicines;
- 5) assess the quality of homeopathic medicines, issue them before the holiday.

Expected results:

As a result of studying the discipline, the applicant must:

Know:

- 1) the main current orders and other regulations of the Ministry of Health of Ukraine on the preparation, quality control and release of homeopathic medicines;
- 2) the basic principles of homeopathy;
- 3) the composition of dosage forms, characteristics and range of medicinal and excipients used in homeopathy;
- 4) basics of organization of technological process of preparation of various homeopathic medicines;
- 5) modern instrumental methods of analysis of homeopathic medicines;
- 6) definition of basic homeopathic terms and concepts: homeopathic diagnosis, dynamization, vitality, medicinal symptom, miasm, modality, nosode, phenotype, diathesis, constitution, poly crosses.

Be able:

- 1) to formulate the basic concepts and terms of homeopathy and homeopathic pharmacy;
- 2) use normative and reference literature on prescribing, preparation and standardization of quality of homeopathic medicines;
- 3) substantiate the technology of homeopathic medicines in the form of various dosage forms (solid, liquid dosage forms) and features of their use;
- 4) assess the quality of homeopathic medicines, issue them before the holiday.

Have:

- 1) skills and abilities of technology of preparation of matrix homeopathic tinctures according to requirements of SPU, control of their quality;
- 2) skills and abilities of technology of preparation of liquid homeopathic dilutions according to requirements of SPU, control of their quality;
- 3) skills and abilities of technology of preparation of homeopathic tinctures and granules according to requirements of SPU, control of their quality;
- 4) skills and abilities of technology of preparation of triturations homeopathic according to requirements of SPU, control of their quality;

5) skills and abilities of technology of preparation of complex homeopathic preparations according to requirements of SPU, control of their quality.

COURSE DESCRIPTION

Module volume: total number of hours - 90 of them 10 hours of lectures, practical classes - 10 hours, seminars - 10 hours, independent work - 60 hours; number of ECTS credits - 3. In addition to lecture and practical work, individual and group consultations are provided.

The content of the discipline

Theme 1 . The concept of homeopathy and its basic principles. State regulation of the production of homeopathic medicines. Features of prescribing homeopathic recipes. Nomenclature of homeopathic medicines.

Theme 2. Classification of homeopathic medicines. Preparation of homeopathic matrix tinctures for HFCs and their quality control.

Theme 3. Scale of breeding. The principle of potentiation of homeopathic medicines. Potentiation of homeopathic matrix tinctures.

Theme 4. Breeding homeopathic. The technology of liquid homeopathic dilutions, registration to leave and their quality control.

Theme 5. The law of healing Goering. Technology homeopathic oils, design for the release and quality control.

Theme 6. Technology of basic drugs, liquid homeopathic dosage forms, design for the release and quality control.

Topic 7. Homeopathic granules. Technology homeopathic granules, design for the release and quality control.

Topic 8. Homeopathic triturations. The technology of homeopathic triturations, design for tempering and quality control.

Theme 9. Complex homeopathic medicines. The technology of complex homeopathic medicines, design for the release and quality control.

Theme 10. Technology of solid, complex homeopathic dosage forms, design for the release and quality control.

List of basic recommended literature:

1. Гомеопатична фармація і медицина. Глосарій термінів та визначень = Гомеопатическая фармация и медицина. Глосарий терминов и определений: навч. посібник для студ. вищ. Навч. Закладів / Л.І. Вишневська, О.Ю. Сергеева, С.В. Олійник ; за ред. Л.І. Вишневської. – Х. : Оригінал, 2017. – 340 с.
2. Гомеопатичні препарати: навчальний посібник / упоряд.: Борисюк І.Ю., Фізор Н.С., Валіводзь І.П. Одеса, ОНМедУ, 2020.-168 с.
3. Аптечна технологія ліків: підручник для студ. фарм. ф-тів ВМНЗ України III-IV рівнів акредитації / Тихонов О.І., Ярних Т.Г. ; за ред. О. І. Тихонова. – Вид. 4-те, випр. та допов. – Вінниця : Нова Книга, 2016. – 536 с.

4. Державна Фармакопея України / Державне підприємство «Український науковий фармакопейний центр якості лікарських засобів». - 2-е вид. - Доповнення 1. - Харків: Державне підприємство «Український науковий фармакопейний центр якості лікарських засобів», 2016. - 360 с.
5. Державна фармакопея України: / Укр. наук. фармакопейний центр якості лікарських засобів. – 2 вид. – Х.: Держ. п-во «Укр. наук. фармакопейний центр лікарських засобів», 2015. – Т 1. – 1128 с.
6. Державна Фармакопея України / Державне підприємство «Український науковий фармакопейний центр якості лікарських засобів» – 2-е вид. – Харків: Державне підприємство «Український науковий фармакопейний центр якості лікарських засобів», 2015. – Т. 3. – 732 с.
7. Допоміжні речовини у виробництві ліків : навч. посібн. для студ. вищ. фармац. навч. закл. / О.А. Рубан, І.М. Перцев, С.А. Куценко, Ю.С. Маслій; за ред. І.М. Перцева. – Х.: Золоті сторінки, 2016. – 720 с.
8. Вильям Берике Materia Medica гомеопатических препаратов. Libra. 2017. 720 с.
9. Практикум по технологи гомеопатических препаратов: Для студ. Фар мац. вузов и ф-тов / А.И. Тихонов, М.Ф. Пасечник, Т.Г. Ярных, Л.И. Вишневская, С.А. Тихонова; Под ред.. А.И. Тихонова. – Х.: Оригинал, 2006. – 160 с.
10. Технологія гомеопатичних лікарських засобів : навчально-методичний посібник для викладачів / Л. І. Вишневська, Н. П. Половко, С. В. Олійник, І. С. Коноваленко. – Х.: Вид-во НФаУ, 2018. – 86 с.
11. Методичні рекомендації з підготовки до підсумкового модульного контролю з технології гомеопатичних лікарських засобів для здобувачів вищої освіти / Л. І. Вишневська, Н. П. Половко, С. В. Олійник, І. С. Коноваленко. – Х.: Вид-во НФаУ, 2018. – 27 с.
12. Технологія гомеопатичних лікарських засобів : метод. рек. до практичних і семінарських занять / Л. І. Вишневська, Н. П. Половко, С. В. Олійник, І. С. Коноваленко. – Х.: Вид-во НФаУ, 2018. – 56 с.
13. Організація самостійної роботи студентів з дисципліни «Технологія гомеопатичних лікарських засобів» : методичні рекомендації / Л. І. Вишневська, Н. П. Половко, С. В. Олійник, І. С. Коноваленко. – Харків: НФаУ, 2018. – 39 с.

EVALUATION

Current success. Evaluation of the success of studying the topics of the discipline is performed on a traditional 4-point scale. At the practical (laboratory) lesson students must be interviewed at least once for 2-3 practical (laboratory) lessons (not more than 75% of students), and at the seminar - at least once for 3-4 lessons (not more than 50) % of students). At the end of the semester (cycle) the number of grades for students in the group should be the same on average. At the end of each lesson, the teacher announces the students' grades, makes an appropriate entry in the Journal of attendance and student

performance and Information on the performance and attendance of students. At the end of the study, the current performance is calculated - the average current score (arithmetic mean of all current grades on a traditional scale, rounded to two decimal places). In the last practical lesson, the teacher is obliged to provide information to students about the results of their current academic performance and academic debt (if any), as well as when completing the curriculum in the discipline to fill in the student's record book. To increase the average score in the discipline, the current grades «3» or «4» are not rearranged.

Final credit. Students who have fully completed the curriculum in the discipline have no academic debt, their average score of current performance is 3.00 or more, in the last class receive a credit, which is set as "passed" / "not credited". Conversion of a traditional national score to a multi-point score (maximum 200 points) is required. If a student receives a minimum grade point average of 3.00 for current performance, even if there are unsatisfactory grades, he receives a credit for the discipline. No bonus points are accrued.

Independent work of students: on the topics of independent work - writing essays and preparing presentations. Assessment of independent work is performed on the traditional 4-point scale, the deadline - during the course of the discipline.

COURSE POLICY:

Deadline and recompilation policy. The final control is carried out in the audience in the penultimate week. In case of absence or low result, the final written control is rescheduled once in the last week on the day of the scheduled consultation (Thursday 15.00-16.00). In case of non-compliance with the policy on deadlines and rescheduling, control measures are considered not passed.

Academic Integrity Policy: the course involves the writing of abstracts (SRS) that will be tested for academic integrity (according to the Regulations on the Commission on Academic Integrity of Odessa National Medical University).

Attendance and lateness policy: attendance at lectures and practical classes is mandatory, lateness is not desirable. Points for attending classes are not accrued. An important reason for absence from classes is an illness, which is confirmed by a certificate from a doctor (hospital).

Mobile devices: with the permission of the teacher it is allowed to use a smartphone, tablet or other device for storing and processing information.

Behavior in the audience or remotely on the Microsoft Teams platform: active, business and creative atmosphere.