Odesa national medical university
Faculty – international ("Pharmacy")
Department of organization and economics in pharmacy

SYLLABUS

Ethics and Deontology in Pharmacy

The number of hours	90 hours / 3 ECTS credits
Year of studying, semester	1th /2nd semester
Days, time, place	According to the schedule
Teacher	Prof.Unhurian Liana Mikhailivna As.Yaschuk Iryna Sergiivna
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Work place	Odesa, Malynovs'koho str., 37, department of organization and economics in pharmacy
Consultations	Consultations are held on Tuesdays from 14:30 to 16:00 and Saturdays from 9:00 to 13:00 according to the approved schedule

COMMUNICATION

Communication with students will be carried out in auditorium of the department.

In case of distance learning, communication is carried out through the Microsoft Teams platform, as well as Zoom platform, through e-mail correspondence oef@onmedu.edu.ua, through Viber, Telegram, WhatsApp messengers.

COURSE ANNOTATION

Subject of discipline

The subject of the discipline is ethical, bioethical and deontological aspects and norms of professional behavior of pharmaceutical professionals.

Course re-requisites and post-requisites:

The discipline "Ethics and Deontology in Pharmacy" is closely related to such disciplines as management and marketing in pharmacy, pharmacology, pharmacoeconomics, organization and economics of pharmacy, pharmaceutical legislation.

Purpose of the course

The purpose of teaching the discipline "Ethics and Deontology in Pharmacy" is to form a system of knowledge on morality, pharmaceutical ethics, bioethics and

pharmaceutical deontology for further proper performance of professional duties by pharmacists

Tasks of the discipline:

The main objectives of the discipline "Ethics and Deontology in Pharmacy" are to master the essence of the basic concepts of morality, pharmaceutical ethics, bioethics and pharmaceutical deontology, gaining skills in using basic tools of successful communication and interaction, solving moral and communicative problems related to pharmaceutical practice, employee

Expected results:

Program learning outcomes for the discipline:

PLO 2. Apply knowledge of general and professional disciplines in professional activities.

PLO 3. Adhere to the norms of sanitary and hygienic regime and safety requirements for professional activities.

PLO 6. Argue information for decision-making, be responsible for them in standard and non-standard professional situations; adhere to the principles of deontology and ethics in professional activities.

PLO 10. Adhere to the norms of communication in professional interaction with colleagues, management, consumers, work effectively in a team.

PLO 26. To choose rational technology, to make medicines in various medicinal forms according to prescriptions of doctors and orders of medical institutions, to issue them before release. Perform technological operations: weigh, measure, dose a variety of drugs by weight, volume, etc. Develop and draw up technological documentation for the manufacture of medicines in pharmacies.

PLO 27. To substantiate the technology and organize the production of medicines at pharmaceutical enterprises and draw up technological documentation for the production of medicines at pharmaceutical enterprises.

PLO 28. Organize and conduct rational procurement of medicinal plant raw materials. Develop and implement measures for the protection, reproduction and rational use of wild species of medicinal plants.

PLO 29. To ensure competitive positions and effective development of pharmaceutical organizations on the basis of research work on all elements of the marketing complex.

COURSE DESCRIPTION

Forms and methods of teaching

The training course consists of lectures (10 hours) practical classes (30 hours) and individual work of students (50 hours). Problem-based presentation, case studies, discussions, electronic (review, problem) lectures, presentations, business games,

classes with the use of computer technology (situational tasks, test tasks) are used as teaching methods.

The content of the discipline
Section 1. Ethics and deontological aspects as components of morality of pharmaceutical workers

Topic l. Notion and essence of moral, ethics, deontology

Topic 2. Professional morality of pharmaceutical workers

Topic 3. Algorithm of intercourse of pharmacists with a buyer in the pharmacy

Topic 4. Corporate culture of pharmaceutical organization

Topic 5. Motivation in activity of pharmacist

Topic 6. Bioethics as modern direction of medicine and pharmacy

Section 2. Ethics and deontological bases of co-operation of subjects at pharmaceutical market

Topic 7. Ethics of drug promotion to the pharmaceutical market

Topic 8. Administrative ethics and ethics of labor relations

Topic 9. Business ethics

Topic 10. Rights and social defense of pharmaceutical worker. Offence and responsibility

List of recommended literature

Main:

1. Texts of lectures on the discipline "Ethics and deontology" / IS Yashchuk, LM Unhurian, OI Bieliaieva,. - Odessa: ONMedU, 2019. - 50 p.
2. Ethics and deontology in pharmacy: method. rivers to seminars of students of the educational program "Pharmacy" by correspondence. and "Technology of perfumes and cosmetics" full-time and part-time studies. / AA Kotvitskaya, NV Chmykhalo, II Svetocheva and others. ; for general ed. AA Kotvitskaya: NUPh, 2017. - 54 p
3. Brenner, S. N. Ethics program and their dimensions / S. N. Brenner // Journal of Business Ethics. – 2015. – № 11. – P. 391-399.
4. Pharmacy Student Survival Guide, 2e/ Ruth E. Nemire, Karen L. Kier//-2019 UK
5. Mnushko, Z. N. Management and marketing in pharmacy. P. I. Management in pharmacy : Texts of Lectures / Z. N. Mnushko, I. V. Sofronova, I. V. Pestun. – Kh. : PH of NUPh, 2016. – 148 p.

Additional:
1. Pharmacy Student Survival Guide, 2e/ Ruth E. Nemire, Karen L. Kier//-2019 UK

2. Mnushko, Z. N. Management and marketing in pharmacy. P. I. Management in pharmacy : Texts of Lectures / Z. N. Mnushko, I. V. Sofronova, I. V. Pestun. – Kh. : PH of NUPh, 2016. – 148 p.

Information resources, including the Internet

1. Departments' site: http://info.odmu.edu.ua/chair/economy_pharmacy/files
2. Ministry of Health of Ukraine http://www.moz.gov.ua/ua/portal/dn_20050719_360.html
3. https://zakon.rada.gov.ua/ - Database "Legislation of Ukraine"
4. World Health Organization http://www.who.int/
5. National Scientific Medical Library of Ukraine http://library.gov.ua/
6. National Library of Ukraine named after V.I. Of Vernadsky http://www.nbuv.gov.ua/
7. HTA [E-resource]. https://www.hta.ua
8. FDA [E-resource]. - Access:https://www.fda.gov
9. WHO [E-resource]. - Access:https://www.who.int

EVALUATION

There are various forms of control for classes (oral, written, combined, testing, practical skills, etc.). The results of the academic progress for students exhibited in the form of evaluation on a national scale, 200-point scale, ECTS and have standardized generic assessment criteria:

Criteria for assessing the student's current learning activity

grade "excellent" ("5") grade "excellent" ("5") is given to a student who systematically worked during the term, has showed versatile and deep knowledge of the program content during the exam, is able to successfully complete the tasks provided for by the program, has mastered the content of the main and additional literature, realized the relationship of individual sections of the discipline, their importance for the future profession, identified creative ability to understand and use educational and program materials, showed the ability to independently replenish and update knowledge; high level of competence (creative)
grade "good" ("4") is given to a student who has revealed complete knowledge of the educational and program materials, successfully completes the tasks provided for by the program, has mastered the basic literature recommended by the program, has shown a sufficient level of knowledge in the discipline and is capable of independently updating and replenishing them in the course of further education and professional activity; the level of competence is sufficient (constructive - variation)
grade "satisfactory" ("3") is given to a student who has revealed knowledge of the basic educational and program materials in the amount necessary for further training and subsequent work in the profession, copes with the tasks provided for by the program, made some mistakes in the answers on the exam and when performing the exam tasks, but has the necessary knowledge to overcome mistakes made under the guidance of a scientific and pedagogical worker; the level of competence is medium (reproductive).

grade "unsatisfactory" ("2") is given to a student who did not reveal sufficient knowledge of the basic educational and program materials, made fundamental mistakes in performing the tasks provided for in the program, cannot use knowledge in further training without the help of a teacher, could not master the skills of independent work, the level of competence is low (reciprocal-productive).

Current control
Current control is carried out at each practical class through oral questioning or written control. After studying each section, based on the control of theoretical knowledge, practical skills and abilities, the control of the acquisition of practical skills is carried out. The student's current educational activity is assessed in a practical class on a 4-point (traditional) scale.

Final control
The final control in the form of tests is assessed on a two-point scale:

- the mark "passed" is given to a student who has completed the curriculum of the discipline and has no academic debt; the level of competence is high (creative).

- the mark "not passed" is given to a student who has not completed the curriculum of the discipline, has academic debt (average score below 3.0 and / or missing classes), the level of competence is low (receptive-productive).In the student's record book, the teacher enters the grade for the discipline on the traditional and 200-point scale.

A multi-point scale characterizes the actual progress of each student in mastering the academic discipline. The conversion of the traditional grade in the discipline into a 200-point grade is carried out by the information and computing center of the university by the "Contingent" program according to the formula:

grade point average (current / by discipline) x 40

national grade	points
«5»	185-200
«4»	151-184
«3»	120-150

ECTS scale
The ECTS rating scale evaluates the achievements of students in the discipline who study in one course of one specialty, according to the points they received, by ranking, namely:

ECTS score	Statistical indicator
"A"	top 10% of students
"B"	next 25% of students
"C"	next 30% of students
"D"	next 25% of students

"E"	the remaining 10% of students

The ECTS scale establishes the student's belonging to the group of the best or worst among the reference group of fellow students (faculty, specialty), that is his rating. When converting from a multi-point scale, as a rule, the boundaries of grades "A", "B", "C", "D", "E" do not coincide with the boundaries of grades "5", "4", "3" on the traditional scale. The "A" grade on the ECTS scale cannot be equal to the "excellent" grade, and the "B" grade - the "good" grade, etc.

Students who have received grades "FX" and "F" ("2") are not included in the list of ranking students. Such students, after retaking, automatically receive an "E" score.

The mark "FX" is given to students who have scored the minimum number of points for the current educational activity, but who are not credited with the final control. Grade "F" is given to students, attended all classroom lessons in the discipline, but did not score an average score (3.00) for the current educational activity and were not admitted to the final control.

Independent work of students.
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Independent work in the study of the discipline is provided by methodological developments for the independent work of students, visual teaching aids (presentations, educational films etc.), the information resource of the department, the topic of independent tasks for each task, algorithms for the implementation of practical skills, algorithms for self- and mutual control of knowledge and skills, test tasks for each practical class.

Independent work of students, which is provided by the topic of the class along with classroom work, is assessed during the current control of the topic in the corresponding practical class. The assimilation of topics that are taken out only for independent work is checked during a test.

COURSE POLICY
Deadline and retake policy
Students for education are expected to attend all lectures and practical classes. If they missed classes, it is necessary to make-up them (according to the schedule posted on the information stand of the department and according to the permission of the dean's office, if necessary).

The retake of the control of the acquisition of practical skills is carried out during the semester on an individual basis with the determination of the time of the training.

Retake of unsatisfactory grades is carried out during the term of studying the discipline, provided that the average score for the current educational activity is less than 3.00 (carried out according to the schedule posted on the information stand of the department).

Academic Virtue Policy

Respect for academic virtue by education seekers includes:

- independent fulfillment of educational tasks, tasks of current and final control (current controls and discipline exam) of learning outcomes (for persons with special educational needs, this requirement is applied taking into account their individual needs and capabilities);

- links to sources of information when using ideas, developments, statements, information;

- provision of reliable information about the results of their own (scientific, creative) activities, the research methods used and sources of information.

It is unacceptable in educational activities for participants in the educational process to use prohibited auxiliary materials or technical means (crib notes, earpieces, phones, smartphones, tablets, etc.) during control events.

For violation of academic virtue, education seekers may be held liable for such academic responsibility

• decrease in the results of assessment (control work, exam);

• re-passing the assessment (test, exam);

• appointment of additional control measures (additional individual tasks, control works, tests, etc.).

Attendance policy

Attendance at lectures and practical classes is compulsory. If you are more than 15 minutes late, the lesson is considered missed and requires working out.

Mobile devices

During practical exercises, the use of a smartphone, tablet or other device for storing and processing information is allowed only with the permission of the tutor.

When conducting any form of control, the use of mobile devices and their accessories is strictly prohibited.

Audience behavior

During the classes it is allowed: to leave the audience for a short time, if necessary and with the permission of the teacher; photograph presentation slides; actively participate in the class.

During the lessons it is prohibited: to eat (except for persons whose special medical condition requires another - in this case, medical confirmation is required), smoking, drinking alcoholic and low-alcohol drinks or drugs; use obscene language or use words that offend the honor and dignity of colleagues and faculty; gamble; damage the material and technical base of the university (spoil inventory, equipment; furniture, walls, floors, litter premises and territories), make noise, shout or listen to loud music in classrooms and even in the corridors during classes.