

**Odessa National Medical University**  
**Faculty of Pharmacy**  
**Department of Disaster Medicine and military medicine**

**Silabus**  
**in the discipline "Life Safety"**

<b>Volume</b>	1,5 credits ECTS, 45 hours
<b>Semester, year of study</b>	I semester 2020-2021 y.
<b>Days, time, place</b>	Department of Disaster Medicine and military medicine, str. Pyrohovskaja, 2 floor Days and times – according to the class schedule
<b>Teacher (s)</b>	Associate professor Maydanjuk V.P., Associate professor Panchenko O.E., as. Basjuk V.S., as. Tretjak O.M.
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<b>Workplace</b>	Department of Disaster Medicine and military medicine
<b>Consultations</b>	Department of Disaster Medicine and military medicine

#### COMMUNICATION

Communication with students will be carried out at face-to-face meetings (lectures, practical classes, training sessions).

Classes are held at the Department, according to the schedule.

Under quarantine conditions, classes will be held on the MTeams or Zoom platform, Viber.

Days of working off missed classes are Thursday and Saturday.

Admission of students on personal issues:

– Head of the Department-Thursday from 14.00 to 15.00;

- Head teacher of the Department – Tuesday from 14.00 to 15.00.

#### COURSE SUMMARY

**The subject of study of the discipline** is life safety.

**Prerequisites:** the study of the discipline "Life Safety" is based on knowledge of the main natural science disciplines: Medical Biology, Biological Physics with physical methods of analysis, higher mathematics and statistics, general and inorganic chemistry, Latin language, medical history, history of Ukraine and Ukrainian culture, philosophy, and integrates with these disciplines.

**Post-requisitions:** lays the foundations for the formation of knowledge, skills and abilities that are determined by the final goals of the program, necessary in the next professional activity

**The aim of the course** is to develop knowledge, skills and competencies to

preserve human health and life in modern living conditions and protect against hazards of man – made, anthropogenic, natural origin and create comfortable conditions for human life.

**Main tasks** :formation of the ability to analyze and assess dangerous situations;

it is necessary to develop the ability to evaluate the latest achievements of biology and medicine in terms of determining the degree of their danger to humans and society today and in the future.

- formation of respect for the life and dignity of a healthy and sick person, whose interests should always be evaluated above the interests of science or society;

- formation of the need to adhere to a healthy lifestyle, use techniques of self-regulation and self-control;

it is aimed at fostering a deep conviction of the need for strict compliance with ethical and moral norms, rules and principles in their practical activities.

**Expected results:**

As a result of studying the discipline, students should know:

legal and organizational aspects of labor protection of medical workers;

principles and rules of the ethical side of human activity in medicine;

ways and methods of preserving living organisms ' biological essence, biological qualities, and preventing large-scale loss of biological integrity;

legislative documents that protect people, society and humanity as a whole from the undesirable and harmful consequences of introducing new medical and biological technologies into practice.

**Students should be able to:**

make decisions on the use of protective equipment against hazards in case of extreme situations;

- assess the impact of socio-economic and biological determinants on the health status of an individual, family, and population;

organize the necessary level of individual safety (own and persons taken care of) in the event of typical dangerous situations in the individual field of activity;

apply psychological techniques of effective work with colleagues, medical and pharmaceutical personnel, patients and their relatives, readiness to interact with other people.

## **COURSE DESCRIPTION**

Forms and methods of training

The course will be presented in the form of lectures (10 hours.) and practical (10 years.) classes, Organization of independent work of students (25 hours.).

***Training methods***

The main forms of classes in the academic discipline "Life Safety" are lectures, practical classes and independent work of students. When teaching the discipline, the following teaching methods are used: lectures, explanations, narration, demonstration of presentations, conversation, analysis of new information, performing individual tasks.

### ***Content of the academic discipline***

<b>Section 1. <i>Safety of human life in modern conditions</i></b>	
1.	Theoretical foundations of life safety
2.	A person in the system "person – external environment".
3.	Meaning of the external environment in the system "person-external environment"
4.	Ensuring the safety of human life
5.	Food safety as a component of safe human life
<b>Section 2. <i>Fundamentals of labor protection of medical workers</i></b>	
6.	Occupational hazards in the performance of functional duties of a doctor
7.	Dangerous infectious diseases in the practice of a medical professional

### ***List of recommended literature***

#### *Basic literature:*

"Life safety, fundamentals of labor protection.", Kiev, VSV "Medicine", 2015, under the general editorship of corresponding member of the National Academy of Medical Sciences of Ukraine, Professor A. P. Yavorovsky;

1. SVA textbook edited by E. P. Zhelibo-Kiev "Karavela "Lviv:" New World – 2000", 2001,

2. Life Safety: a textbook / edited by Ya.I. Bedri, Magnolia publishing house, 2006

3. Atamanchuk P. S. Menderetsky Life Safety and labor protection. Training manual. Kamianets-Podilskyi. Mysl, 2010

4. Dzhigirei V. S. Zhitetsky V. TS. BZHD-Lviv: Afisha 2001,

#### *Additional literature:*

1. Dudnikova I. I. SVA textbook – K., 2003.

2. labor protection and SVA of the population in emergency situations. Edited by I. V. Kochin-K., zdorovye publ., 2005,

3. Yaremko Z. M. SVA. Textbook, Kiev: Center for educational literature, 2005,

4. Prevention of professional contact with the blood of medical workers, Seattle, Kiev 1997

5. Pistun M. P. SVA – Lviv: Afisha publ., 2003
6. Fefilova P. K. SVA and MK: textbook-M. Meditsina, 2005
7. fundamentals of Ecology and Environmental Protection. Textbook \ edited by V. S. Dzhigirei, Lviv, 1999,
8. the law of Ukraine "on labor protection" of 14.10.92.as amended on 21.11.02.
- 9.Law of Ukraine "on ensuring sanitary and epidemic well-being of the population" No. 4004-XII of 24.02.94.
- 10.law of Ukraine "on insurance rates for mandatory state social insurance against industrial accidents and occupational diseases that have resulted in disability" No. 1423 of 13.09.2000.

## **Evaluation**

### **Current control methods**

Current control is carried out in practical classes in the form of an oral survey, written works or test tasks. The results of the current control are displayed in the log of training sessions on a 4-point scale-ratings "5", "4", "3", "2". At the end of studying the discipline, current academic performance is calculated as the average current score, that is, the arithmetic mean of all current grades, rounded to two decimal places.

The knowledge of people studying at the university is evaluated on both theoretical and practical training on a four-point scale according to the following criteria:

- "excellent" - the student has firmly mastered the theoretical material, deeply and comprehensively knows the content of the discipline, the main provisions of scientific primary sources and recommended literature, thinks logically and builds the answer, freely uses the acquired theoretical knowledge in the analysis of practical material, expresses his attitude to certain problems, demonstrates a high level of assimilation of practical skills;

- "good" - the student has mastered the theoretical material well, knows the main aspects from the primary sources and recommended literature, presents it in a reasoned manner; has practical skills, expresses his thoughts about certain problems, but admits certain inaccuracies and errors in the logic of the presentation of theoretical or when analyzing practical content;

- "satisfactory – - the student has mainly mastered the theoretical knowledge of the discipline, is guided in the primary sources and recommended literature, but unconvincingly answers, confuses concepts, additional questions cause the student uncertainty or lack of stable knowledge; answering questions of a practical nature, reveals inaccuracies in knowledge, does not know enough to evaluate facts and phenomena, connect them with future activities;

- "unsatisfactory" - the student has not mastered the educational material of the discipline, does not know scientific facts, definitions, almost does not navigate in primary sources and recommended literature, there is no scientific thinking, practical skills are not formed.

## **Forms and methods of Final control**

The final control is carried out in the form of a credit. Students who have completed all types of work provided for in the curriculum and scored at least the minimum number of points are allowed to take the test.

### **Independens works of students**

IWS topics are defined by the curriculum for the discipline.

For each topic of the SRS, the student should prepare an abstract or report on issues that are not included in the thematic plan of practical classes.

IWS assessment is carried out in the last practical lesson of the 4th and 5th semesters.

### **Course policy ("rules of the game")**

#### **Conditions for mastering the course:**

- Mandatory attendance of classes;
- Activity during practical classes;
- Preparation for classes, SRS, etc. other;
- Be tolerant, open and friendly;
- Constructively maintain feedback in all classes;
- Be punctual.

#### **Unacceptable:**

- Skipping classes for disrespectful reasons;
- Late and unauthorized departure from the classroom or lecture hall (for being late, a student is not allowed to attend a class/lecture, because he disrupts the course of the educational process. Also, for violating discipline, the student is removed from the classroom and receives "NB");
- Use of mobile phones, tablets, laptops, smart watches, etc. during practical classes and lectures;
- Violation of any rules established by the moral and ethical code of ONMedU.

**Policy regarding deadlines and retakes.** Retake of missed practical / lecture classes is carried out according to the schedule of working out of the department, to the teacher on duty. The schedule of duties of teachers of the department is posted on the information stand for students. Working out missed practical/lecture classes takes place every Thursday and Saturday.

#### **Compliance with academic integrity by applicants for Education provides for:**

1. independent performance of educational tasks;
2. references to sources of information in the case of using ideas, developments, Statements, Information;
3. compliance with copyright and related rights legislation;
4. providing reliable information about the results of their own (scientific, creative) activities, research methods and information sources used.

Unacceptable in educational activities for participants in the educational process are:

- use of family or service connections to obtain a positive or higher grade in the implementation of any form of monitoring of learning outcomes or benefits in scientific work;

- use of prohibited auxiliary materials or technical means (cheat sheets, notes, micro-headphones, phones, smartphones, tablets, etc.) during control measures;

- passing procedures for monitoring learning outcomes by front persons.

For violation of academic integrity, applicants for education can be brought to such academic responsibility:

\* reduced results of evaluation of test work, credit, etc.;

\* repeated completion of the assessment (test paper, test, etc.);

\* appointment of additional control measures (additional individual tasks, test papers, tests, etc.);

\* repeated completion of the relevant educational component of the educational program;

\* conducting additional verification of other works authored by the violator;

\* deprivation of the right to participate in competitions for scholarships, grants, etc.;

• notification of the entity that finances training (conducting scientific research), the institution that issued the grant for training (research), potential employers, parents of a higher education applicant about the violation committed;

\* exclusion from the rating of applicants for an academic scholarship;

\* deprivation of an academic scholarship;

\* withdrawal of tuition benefits provided by the University;

\* University deductions.

**Attendance and delay policy.** Being late for classes and lectures is not allowed. In case of delay, the student is not allowed to enter the classroom and receives "NB" in the journal.

**Mobile devices.** The use of any mobile devices is prohibited. In case of violation of this clause, the student is removed from the lesson or lecture and receives "NB" in the journal.

**Behavior in the audience.** The student's behavior in classrooms must comply with the rules established by the moral and ethical code of the University.