

МИНОБРНАУКИ РОССИИ

**Федеральное государственное бюджетное образовательное
учреждение высшего образования "Пермский
государственный национальный исследовательский
университет"**

**Кафедра неорганической химии, химической технологии и техносферной
безопасности**

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Рабочая программа дисциплины

DISASTER MEDICINE

Код УМК 93061

Утверждено
Протокол №4
от «19» марта 2020 г.

Пермь, 2020

1. Наименование дисциплины

Disaster Medicine

2. Место дисциплины в структуре образовательной программы

Дисциплина входит в Блок « С.1 » образовательной программы по направлениям подготовки (специальностям):

Специальность: **33.05.01** Фармация

направленность Программа широкого профиля (для иностранных граждан)

3. Планируемые результаты обучения по дисциплине

В результате освоения дисциплины **Disaster Medicine** у обучающегося должны быть сформированы следующие компетенции:

33.05.01 Фармация (направленность : Программа широкого профиля (для иностранных граждан))

ОПК.13 готовность к применению специализированного оборудования и медицинских изделий, предусмотренных для использования в профессиональной сфере

ОПК.14 готовность использовать приемы первой помощи

ОПК.17 способность действовать в нестандартных ситуациях, нести социальную и этическую ответственность за принятые решения

4. Объем и содержание дисциплины

Направления подготовки	33.05.01 Фармация (направленность: Программа широкого профиля (для иностранных граждан))
форма обучения	очная
№№ триместров, выделенных для изучения дисциплины	9
Объем дисциплины (з.е.)	3
Объем дисциплины (ак.час.)	108
Контактная работа с преподавателем (ак.час.), в том числе:	42
Проведение лекционных занятий	14
Проведение практических занятий, семинаров	28
Самостоятельная работа (ак.час.)	66
Формы текущего контроля	Итоговое контрольное мероприятие (1) Письменное контрольное мероприятие (2)
Формы промежуточной аттестации	Экзамен (9 триместр)

5. Аннотированное описание содержания разделов и тем дисциплины

Section 1. Medical characteristics of disasters. Disaster medicine service

Organizational structure and bases of activity of the all-Russian service of disaster medicine: Definition and tasks of the all-Russian service of disaster medicine. Organizational structure of the all-Russian service of disaster medicine. The formation and institutions of service of medicine of catastrophes. Modes of operation of the all-Russian service of disaster medicine. The main objectives of VSMK. Management bodies of the all-Russian disaster medicine service

Tasks and bases of the organization of the uniform state system of prevention and liquidation of emergency situations and structure of the all-Russian service of medicine of catastrophes Classification of the striking factors depending on t

Damaging factors of emergency, their medical characteristics and classification. General characteristics of peacetime emergencies and their classification. Classification of damaging factors depending on the type of emergency. Health consequences of emergencies, the concept of human losses in emergencies. Elements of medical and technical characteristics of emergency situations

Medical-tactical characteristic of disaster in peacetime

General characteristics of the medical situation. Characteristic features of disasters. The main striking factors. Possible size and structure of sanitary losses. Features of the situation arising from natural disasters, major transport and mass burn disasters. Organization of work of the hospital in case of emergencies. Features of work with mass receipt of the victims. Features of assistance to children in emergencies.

The role and place of medicine in the identification of emergency situations, protection organization and elimination of consequences of emergency situations

Disaster medicine and its place in solving the problems of protecting the population from emergencies. Definitions and measures of medical protection, medical means of protection and their use. Forms of destruction of the population in emergency situations of natural and man-made. The main tasks of medical care in earthquakes, floods and other natural and man-made emergencies. .Medical and psychological protection of the population and rescuers in emergency situations.

Medical-biological and sanitary-epidemiological protection in emergency situations. Disaster medicine service

Tasks, organizational structure and bases of activity of the all-Russian service of medicine of catastrophes. Medical protection of the population in emergency. Factors that determine the characteristics of health facilities in emergency situations. Characteristics of the medical forces of RSChS. Organizational structure and main tasks of the Federal medical service. Tasks, organizational structure and bases of activity of the all-Russian service of medicine of catastrophes

Sanitary treatment of people, protection and disinfection of water, food, property from RV, AHOV, BS

Health care in the aftermath of emergencies. Full and partial sanitation. Organization of sanitary examination of water and food. Water disinfection.

Medical protection in case of emergency, means, methods and methods of medical protection. First aid kit individual, individual chemical and dressing packages

Medical protection of the population in emergency. Individual medical means of protection of the population Means of individual protection from the damaging factors of emergency. Medical means of protection, methods and methods of medical protection. First aid kit individual, rules of use of first aid KIT AI-2. Individual anti-gas package Individual dressing package.

Section 2. Organization and provision of medical care in emergency situations (emergency)

Organization of medical assistance to victims in an emergency. Multifactorial. Stages. Continuity of assistance. Timeliness of medical care. Main objectives of the CMI: the Organization of information analysis of medical-sanitary measures in the emergency area. Carrying out medical sorting of persons affected by emergencies, and preparing them for evacuation. The provision of emergency and emergency medical care for victims of vital signs. Identification of individual groups of victims with acute mental disorders and signs of infectious diseases and their isolation. Psychological assistance to victims

Objectives, activities and procedure for the provision of PMP depending on the type, nature, degree of injury in emergencies

Goals, objectives and organization of the first medical emergency. Organization and provision of medical care in emergency situations. Medical and evacuation support. Two-stage system of medical care and treatment of victims. Pre-hospital medical care. First aid, the concept of pre-hospital and first medical care. Hospital types of medical care – qualified and specialized. Phases of medical care in emergencies.

Injuries and traumatism, mechanical trauma, classification, complications, causes. Temperature injuries, burns, frostbite, electrical injuries, sequence of PMP and prevention

Temperature injury, burns, frostbite, electric shock, the sequence of provision of PHC and prevention of Thermal injury, burns, frostbite, electrical injury, the sequence of delivery of PMP. Techniques and methods of providing PMP with fractures and bleeding Techniques and methods of providing PMP with temperature lesions and electrical injuries. Techniques and methods of providing PMP with temperature lesions and electrical injuries. The concept of wounds, classification of wounds and their complications. Types of bleeding and their characteristics. Concepts of fractures. Long-term compression syndrome. Closed damage. Wounds to the chest. Wounds of the abdomen.

Terminal state, preagony, agony, coma, clinical and biological death. Methods of resuscitation

The General concept about the terminal States. preagony, agony, coma, clinical and biological death. Methods of resuscitation. Features of resuscitation in drowning. Features of resuscitation in case of overheating.

Radiation damage in peacetime, biological, ionizing radiation. Acute radiation injuries and their classification. The principles of PMP. Medical and tactical characteristics of radiation accidents

Radiation damage peace time. Emergencies associated with the release of radioactive substances into the atmosphere. Biological effects of penetrating radiation. Acute radiation injuries and their classification. Principles of PMP in radiation damage. Actions of the teacher in the centers of radiation danger.

The defeat of poisonous substances, poisonous substances classification according to different characteristics and properties. Principles of PMT, the concept of antidotes. Medical and tactical characteristics of chemical disasters

Acute household poisoning and poisoning technical liquids. PMP and prevention of chemical lesion, its definition and characteristics. Classification of poisonous substances according to different characteristics and properties Medical characteristics of the lesion poisonous substances. Principles of PMP in the defeat of AHS, the concept of antidotes. General principles of diagnosis and emergency care in case of poisoning. Acute household poisoning. Food poisoning. Poisoning technical liquids, acids and alkalis. Poisoning by drugs, drugs and as a result of excessive alcohol consumption bites And diseases due to contact with animals and insects

Socio-biological emergencies. The concept of epidemiology, especially dangerous infectious diseases. Prevention of PMP. Sanitary and epidemiological measures.

Organization of sanitary and anti-epidemic support in emergency situations. Socio-biological emergencies. The bacteriological destruction and their characteristics. The concept of epidemiology, especially dangerous

infectious diseases. Prevention of PMP. Organization of sanitary and epidemiological measures. Organization of sanitary examination of food and water. Actions to prevent infectious diseases

Organization of medical and evacuation support of the population in emergency situations (LEO).

Fundamentals of organization of medical evacuation provision of the population in emergency situations. Medical and evacuation support of the population in emergency situations. The factors of the situation: the size of the lesion and the type of disaster(accident); the number of affected and the nature of the lesions; the degree of failure of forces and means of health in the affected area; the level of development of medical science; the state of material and technical equipment of forces and means of disaster medicine. Prehospital stage. Hospital stage . Types and scope of medical care

Section 3. Sanitary-hygienic and anti-epidemic measures in emergency situations

Sanitary and hygienic and anti-epidemic provision of Sanitary and hygienic measures: Complex of sanitary and hygienic measures compliance with the rules of personal hygiene; control over the quality of food, water sources, water supply network and water; maintenance of buildings and structures, food facilities, equipment, vehicles; anti-Epidemic measures: identification of sources and ways of transmission of infection, contact persons, isolation of infectious patients; quarantine and disinfection measures; prevention of population; protivoepidemicheskie antiepidemicheskie and preventive measures.

San organization. - hygienic and anti-epidemic measures

Tasks, objectives and definition of sanitary anti-epidemic provision of the population in emergency situations. Sanitary and hygienic measures: medical control of health status; sanitary supervision of accommodation conditions; sanitary supervision of food and water supply; sanitary supervision of bath and Laundry services. Organization of anti-epidemic measures in emergency situations: measures to prevent the emergence and spread of infectious diseases; measures aimed at the elimination of epidemic foci among the population in the emergency area. Epidemiological survey and sanitary-epidemiological investigation. Sanitary-epidemiological condition of the area

Organization of work of units and institutions of health when an epidemic of burns. OOI and sanitary epidemiological investigation

Organization of anti-epidemic measures in emergency situations: measures to prevent the emergence and spread of infectious diseases; measures aimed at the elimination of epidemic foci among the population in the emergency area. Epidemiological survey and sanitary-epidemiological investigation. Sanitary-epidemiological condition of the area. Regime-restrictive measures. Quarantine. Observation. Disinfection of foci

6. Методические указания для обучающихся по освоению дисциплины

Освоение дисциплины требует систематического изучения всех тем в той последовательности, в какой они указаны в рабочей программе.

Основными видами учебной работы являются аудиторские занятия. Их цель - расширить базовые знания обучающихся по осваиваемой дисциплине и систему теоретических ориентиров для последующего более глубокого освоения программного материала в ходе самостоятельной работы. Обучающемуся важно помнить, что контактная работа с преподавателем эффективно помогает ему овладеть программным материалом благодаря расстановке необходимых акцентов и удержанию внимания интонационными модуляциями голоса, а также подключением аудио-визуального механизма восприятия информации.

Самостоятельная работа преследует следующие цели:

- закрепление и совершенствование теоретических знаний, полученных на лекционных занятиях;
- формирование навыков подготовки текстовой составляющей информации учебного и научного назначения для размещения в различных информационных системах;
- совершенствование навыков поиска научных публикаций и образовательных ресурсов, размещенных в сети Интернет;
- самоконтроль освоения программного материала.

Обучающемуся необходимо помнить, что результаты самостоятельной работы контролируются преподавателем во время проведения мероприятий текущего контроля и учитываются при промежуточной аттестации.

Обучающимся с ОВЗ и инвалидов предоставляется возможность выбора форм проведения мероприятий текущего контроля, альтернативных формам, предусмотренным рабочей программой дисциплины. Предусматривается возможность увеличения в пределах 1 академического часа времени, отводимого на выполнение контрольных мероприятий.

Процедура оценивания результатов обучения инвалидов и лиц с ограниченными возможностями здоровья по дисциплине предусматривает предоставление информации в формах, адаптированных к ограничениям их здоровья и восприятия информации.

При проведении текущего контроля применяются оценочные средства, обеспечивающие передачу информации, от обучающегося к преподавателю, с учетом психофизиологических особенностей здоровья обучающихся.

7. Перечень учебно-методического обеспечения для самостоятельной работы обучающихся по дисциплине

При самостоятельной работе обучающимся следует использовать:

- конспекты лекций;
- литературу из перечня основной и дополнительной учебной литературы, необходимой для освоения дисциплины (модуля);
- текст лекций на электронных носителях;
- ресурсы информационно-телекоммуникационной сети "Интернет", необходимые для освоения дисциплины;
- лицензионное и свободно распространяемое программное обеспечение из перечня информационных технологий, используемых при осуществлении образовательного процесса по дисциплине;
- методические указания для обучающихся по освоению дисциплины.

8. Перечень основной и дополнительной учебной литературы

Основная:

1. Catherine J. Goodhue. Nursing Management of Pediatric Disaster / Catherine J. Goodhue, Nancy Blake // Publisher Name: Springer, Cham. — 2020. — 413 p. — ISBN 978-3-030-43428-1. — [Электронный ресурс]. <https://link.springer.com/book/10.1007/978-3-030-43428-1>
2. David MacGarty. Disaster Medicine / David MacGarty, David Nott // Publisher Name: Springer, London. — 2013. — 390 p. — ISBN 978-1-4471-4423-6. — [Электронный ресурс]. <https://link.springer.com/book/10.1007/978-1-4471-4423-6>

Дополнительная:

1. Shailesh Nayak, Sisi Zlatanova. Remote Sensing and GIS Technologies for Monitoring and Prediction of Disasters. Springer-Verlag Berlin Heidelberg 2008. Online ISBN 978-3-540-79259-8. Текст электронный: // <https://link.springer.com/book/10.1007/978-3-540-79259-8> <https://link.springer.com/book/10.1007/978-3-540-79259-8>
2. S. William A. Gunn. Dictionary of Disaster Medicine and Humanitarian Relief / S. William A. Gunn // Publisher Name: Springer, New York, NY. — 2013. — 208 p. — ISBN 978-1-4614-4445-9. — [Электронный ресурс]. <https://link.springer.com/book/10.1007/978-1-4614-4445-9>

9. Перечень ресурсов сети Интернет, необходимых для освоения дисциплины

<http://www.mchs.gov.ru/dop/info/individual> Сайт МЧС России

<http://www.vcmk.ru> Всероссийский центр медицины катастроф "Защита"

tcmkperm.ru «Пермский краевой территориальный центр медицины катастроф»

link.springer.com ЭБС SprinerLink

10. Перечень информационных технологий, используемых при осуществлении образовательного процесса по дисциплине

При освоении материала и выполнения заданий по дисциплине рекомендуется использование материалов, размещенных в Личных кабинетах обучающихся ЕТИС ПГНИУ (student.psu.ru).

При организации дистанционной работы и проведении занятий в режиме онлайн могут использоваться:

система видеоконференцсвязи на основе платформы BigBlueButton (<https://bigbluebutton.org/>).

система LMS Moodle (<http://e-learn.psu.ru/>), которая поддерживает возможность использования текстовых материалов и презентаций, аудио- и видеоконтент, а так же тесты, проверяемые задания, задания для совместной работы.

система тестирования Indigo (<https://indigotech.ru/>).

11. Описание материально-технической базы, необходимой для осуществления образовательного процесса по дисциплине

LOGISTICS DISCIPLINE:

Lecture room. Educational audience. Specialized training class, equipped with simulators for practicing practical skills in providing various types of medical care, as well as thematic class, equipped with models and phantoms for practicing the skills of first aid and first aid and practicing students of various kinds of therapeutic measures (intravenous and intramuscular injections, various kinds of punctures and blockades, etc.). Technical means of training: computers, multimedia projector with a laptop, devices of chemical investigation and indication of S, devices of radiation investigation, radiometric and dosimetric control, field oxygen equipment and devices of artificial respiration, individual and collective means of protection. Training facilities (individual dressing package, suit special light L-1. etc.). Educational film. Training stands.

Помещения научной библиотеки ПГНИУ для обеспечения самостоятельной работы обучающихся:

1. Научно-библиографический отдел, корп.1, ауд. 142. Оборудован 3 персональными компьютера с доступом к локальной и глобальной компьютерным сетям.

2. Читальный зал гуманитарной литературы, корп. 2, ауд. 418. Оборудован 7 персональными компьютерами с доступом к локальной и глобальной компьютерным сетям.

3. Читальный зал естественной литературы, корп.6, ауд. 107а. Оборудован 5 персональными компьютерами с доступом к локальной и глобальной компьютерным сетям.

4. Отдел иностранной литературы, корп.2 ауд. 207. Оборудован 1 персональным компьютером с доступом к локальной и глобальной компьютерным сетям.

5. Библиотека юридического факультета, корп.9, ауд. 4. Оборудована 11 персональными компьютерами с доступом к локальной и глобальной компьютерным сетям.

6. Читальный зал географического факультета, корп.8, ауд. 419. Оборудован 6 персональными компьютерами с доступом к локальной и глобальной компьютерным сетям.

Все компьютеры, установленные в помещениях научной библиотеки, оснащены следующим программным обеспечением:

Операционная система ALT Linux;

Офисный пакет Libreoffice.

Справочно-правовая система «КонсультантПлюс»

**Фонды оценочных средств для аттестации по дисциплине
Disaster Medicine**

**Планируемые результаты обучения по дисциплине для формирования компетенции и
критерии их оценивания**

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
<p>ОПК.13 готовность к применению специализированного оборудования и медицинских изделий, предусмотренных для использования в профессиональной сфере</p>	<p>Know: - state policy in the field of training and protection of the population from dangerous and emergency situations; - terminology, tasks and organizational structure of the disaster medicine service, - legislative and regulatory support of the disaster medicine service, - history of disaster medicine service, - major major disasters and natural disasters in the world, - medical forces and means designed to provide medical assistance to those affected in emergency situations, - classification of disasters, medical and tactical characteristics of emergency areas of peace and war, - rights and obligations of citizens to ensure the safety of life; - unified state system of prevention and liquidation of emergency situations, its structure and tasks; - characteristics of hazards of natural, man-made and social origin; - principles, rules and requirements of safe behavior and protection in various conditions and emergency situations; - means and methods of personal</p>	<p align="center">Неудовлетворител Exhibited to the learner, allowing to answer the questions multiple errors of a fundamental nature, haphazard knowledge, allow for inaccuracies in the determination of the concepts can't apply the knowledge for solving professional tasks.</p> <p align="center">Удовлетворительн It is exposed to the student who has found knowledge of the main educational and program material in the volume necessary for further study and the forthcoming work on specialty, but allowed inaccuracies in the definition of concepts in the application knowledge to solve professional problems, the inability to justify their arguments;</p> <p align="center">Хорошо It is exhibited to the student who has found full knowledge of educational and program material, successfully completed practical tasks, who showed a systematic the nature of knowledge in the discipline, capable of their independent replenishment. The content and form of the answer allow some inaccuracies.</p> <p align="center">Отлично It is exposed to the student who has found out comprehensive systematic knowledge of educational and program material, ability freely to carry out the practical tasks which are as close as possible to future professional activity in standard and non-standard situations, learned the relationship of the basic concepts of discipline in their meaning for the acquired specialty</p>

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
	<p>and collective protection</p> <ul style="list-style-type: none"> - types of natural and man-made disasters, - organization and procedure of medical evacuation measures, - basic sorting criteria, - features of the organization of medical care to the affected as a result of accidents and catastrophes at radiation and chemically hazardous facilities, - the main toxic substances, mass poisoning which are possible in peacetime and combat toxic substances, - modern personal protective equipment, - the main activities for the organization and conduct of special treatment of the population, territory and medical property, - basics of sanitary-hygienic and anti-epidemic measures in emergency situations of peace and wartime, - accounting and reporting documentation of the disaster medicine service, - basic concepts: terrorism, terror, terrorist act. Kind of terrorism - causes of explosions and signs of danger of explosion - color differentiation of terrorist threat levels in Russia. <p>Know:</p> <ul style="list-style-type: none"> o-assess the situation in the centers of disasters, o to conduct a medical-evacuation (triage and evacuation of the adult population and children) in the mass receipt of the victims of disasters, o assess the possible risk of local 	

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
	<p>dangerous and emergency situations, apply timely measures to eliminate their consequences; o know the method of formation of students ' psychological stability of behavior in dangerous and emergency situations: respect for their health, the environment; - provide first aid and first aid in case of emergency conditions for adults, children and adolescents in the lesions, - use personal protective equipment, - organize rescue operations in emergency situations of different nature. to teach the population how to provide first aid in emergency situations. Own: - algorithm of basic medical diagnostic and therapeutic measures to provide first aid in emergency and life-threatening conditions. methods of medical sorting in emergency situations; - ways of providing first premedical and first medical aid at Neot about the States affected by emergencies; - methods and methods of evacuation of victims in emergency situations; - methods and methods of use of personal protective equipment; - ways of application of the antidote and radioprotective funds in the amount of the first rotation academic assistance;</p>	
<p>ОПК.14 ГОТОВНОСТЬ ИСПОЛЬЗОВАТЬ ПРИЕМЫ ПЕРВОЙ ПОМОЩИ</p>	<p>know: - features of the organization of medical care, resuscitation in emergency situations, disasters in peace and wartime;</p>	<p>Неудовлетворител Exhibited to the learner, allowing to answer the questions multiple errors of a fundamental nature, haphazard knowledge, allow for inaccuracies in the determination of the</p>

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
	<ul style="list-style-type: none"> - basic safety of society and the individual; - damaging factors of natural emergencies: earthquakes, floods, other natural disasters; - medical and sanitary consequences of emergency situations; - basics of organization, measures and methods of protection of the population from harmful and dangerous factors of natural and man-made origin; - definition and types of medical care, organization of medical sorting at the stages of medical evacuation; - features of the organization of medical care for children in emergency situations; - features of the organization of medical evacuation measures in the case of modern weapons; - fundamentals of medical and sanitary support of the population in the aftermath of emergency situations of chemical and radiation nature; - organization of health care of the population in the elimination of consequences of emergency situations of natural, man-made, road transport, explosion and fire hazard; - bases of the organization and carrying out sanitary and anti-epidemic (preventive) actions in emergency situations of peace and military time; - the order of interaction of medical units and institutions in the elimination of consequences in the lesions; know: - life threatening violations and to 	<p style="text-align: center;">Неудовлетворител</p> <p>concepts can't apply the knowledge for solving professional tasks.</p> <p style="text-align: center;">Удовлетворительн</p> <p>It is exposed to the student who has found knowledge of the main educational and program material in the volume necessary for further study and the forthcoming work on specialty, but allowed inaccuracies in the definition of concepts in the application knowledge to solve professional problems, the inability to justify their arguments;</p> <p style="text-align: center;">Хорошо</p> <p>It is exhibited to the student who has found full knowledge of educational and program material, successfully completed practical tasks, who showed a systematic the nature of knowledge in the discipline, capable of their independent replenishment. The content and form of the answer allow some inaccuracies.</p> <p style="text-align: center;">Отлично</p> <p>It is exposed to the student who has found out comprehensive systematic knowledge of educational and program material, ability freely to carry out the practical tasks which are as close as possible to future professional activity in standard and non-standard situations, learned the relationship of the basic concepts of discipline in their meaning for the acquired specialty</p>

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	<p>assist in case of emergency first aid in the lesions in emergency situations;</p> <ul style="list-style-type: none"> - identify the main environmental hazards, assess the risk of their implementation; to assess the medical situation in case of emergencies; - choose methods of protection against harmful and dangerous factors; - ensure compliance with the rules of labor protection and safety by subordinate employees; - provide first aid, first aid and first aid in case of emergency conditions to the affected population in emergency situations of various kinds; - to solve practical problems on calculation of allocation of necessary forces and means of service of medicine of catastrophes for rendering emergency medical care of the struck in emergency situations; <p>own:</p> <ul style="list-style-type: none"> - conceptual and terminological apparatus in the field of human life safety and disaster medicine; - methods of medical sorting in emergency situations; - ways of providing first premedical and first medical aid in case of emergency to victims of emergency situations; - methods and methods of evacuation of victims in emergency situations; - methods and methods of use of personal protective equipment; - ways of application of the antidote and radioprotective funds in the amount of the first medical aid; 	

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<p>ОПК.17 способность действовать в нестандартных ситуациях, нести социальную и этическую ответственность за принятые решения</p>	<p>Know: - state policy in the field of training and protection of the population from dangerous and emergency situations; - terminology, tasks and organizational structure of the disaster medicine service, - legislative and regulatory support of the disaster medicine service, - history of disaster medicine service, - major major disasters and natural disasters in the world, - medical forces and means designed to provide medical assistance to those affected in emergency situations, - classification of disasters, medical and tactical characteristics of emergency areas of peace and war, - rights and obligations of citizens to ensure the safety of life; - unified state system of prevention and liquidation of emergency situations, its structure and tasks; - characteristics of hazards of natural, man-made and social origin; - principles, rules and requirements of safe behavior and protection in various conditions and emergency situations; - means and methods of personal and collective protection - types of natural and man-made disasters, - organization and procedure of medical evacuation measures, - basic sorting criteria, - features of the organization of medical care to the affected as a result of accidents and catastrophes at radiation and chemically hazardous facilities, - the main toxic substances, mass poisoning which are possible in peacetime and combat toxic substances, -</p>	<p>Неудовлетворител Exhibited to the learner, allowing to answer the questions multiple errors of a fundamental nature, haphazard knowledge, allow for inaccuracies in the determination of the concepts can't apply the knowledge for solving professional tasks.</p> <p>Удовлетворительн It is exposed to the student who has found knowledge of the main educational and program material in the volume necessary for further study and the forthcoming work on specialty, but allowed inaccuracies in the definition of concepts in the application knowledge to solve professional problems, the inability to justify their arguments</p> <p>Хорошо It is exhibited to the student who has found full knowledge of educational and program material, successfully completed practical tasks, who showed a systematic the nature of knowledge in the discipline, capable of their independent replenishment. The content and form of the answer allow some inaccuracies.</p> <p>Отлично It is exposed to the student who has found out comprehensive systematic knowledge of educational and program material, ability freely to carry out the practical tasks which are as close as possible to future professional activity in standard and non-standard situations, learned the relationship of the basic concepts of discipline in their meaning for the acquired specialty</p>

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
	<p>modern personal protective equipment, - the main activities for the organization and conduct of special treatment of the population, territory and medical property, - basics of sanitary-hygienic and anti-epidemic measures in emergency situations of peace and wartime, - accounting and reporting documentation of the disaster medicine service, - basic concepts: terrorism, terror, terrorist act. Kind of terrorism - causes of explosions and signs of danger of explosion - color differentiation of terrorist threat levels in Russia. Know: o-assess the situation in the centers of disasters, o to conduct a medical-evacuation (triage and evacuation of the adult population and children) in the mass receipt of the victims of disasters, o assess the possible risk of local dangerous and emergency situations, apply timely measures to eliminate their consequences; o know the method of formation of students ' psychological stability of behavior in dangerous and emergency situations: respect for their health, the environment; - provide first aid and first aid in case of emergency conditions for adults, children and adolescents in the lesions, - use personal protective equipment, - organize rescue operations in emergency situations of different nature. to teach the population how to provide first aid in emergency situations. Own: - algorithm of basic medical diagnostic and therapeutic measures to provide first aid in</p>	

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
	<p>emergency and life-threatening conditions. methods of medical sorting in emergency situations; - ways of providing first premedical and first medical aid at Neot about the States affected by emergencies; - methods and methods of evacuation of victims in emergency situations; - methods and methods of use of personal protective equipment; - ways of application of the antidote and radioprotective funds in the amount of the first rotation academic assistance;</p>	

Оценочные средства текущего контроля и промежуточной аттестации

Схема доставки : Базовая

Вид мероприятия промежуточной аттестации : Экзамен

Способ проведения мероприятия промежуточной аттестации : Оценка по дисциплине в рамках промежуточной аттестации определяется на основе баллов, набранных обучающимся на контрольных мероприятиях, проводимых в течение учебного периода.

Максимальное количество баллов : 100

Конвертация баллов в отметки

«отлично» - от 81 до 100

«хорошо» - от 61 до 80

«удовлетворительно» - от 42 до 60

«неудовлетворительно» / «незачтено» менее 42 балла

Компетенция	Мероприятие текущего контроля	Контролируемые элементы результатов обучения
ОПК.13 готовность к применению специализированного оборудования и медицинских изделий, предусмотренных для использования в профессиональной сфере	Medical-biological and sanitary - epidemiological protection in emergency situations. Disaster medicine service Письменное контрольное мероприятие	Tasks and bases of the organization of the uniform state system of prevention and liquidation of emergency situations and structure of the all-Russian service of medicine of catastrophes Classification of the striking factors depending on the type of emergency. Medical-tactical characteristic of disaster in peacetime. The role and place of medicine in the identification of emergencies, organization of protection and elimination of consequences of emergencies. Medical-biological and sanitary-epidemiological protection in emergency situations. Disaster medicine service. Medical protect people from the damaging factors of emergencies. Sanitary treatment of people, protection of water, food, property from RV, AHOV, BS.

Компетенция	Мероприятие текущего контроля	Контролируемые элементы результатов обучения
<p>ОПК.14 готовность использовать приемы первой помощи</p>	<p>The defeat of poisonous substances, poisonous substances classification according to different characteristics and properties. Principles of PMT, the concept of antidotes. Medical and tactical characteristics of chemical disasters</p> <p>Письменное контрольное мероприятие</p>	<p>Objectives, activities and procedure for the provision of PMP depending on the type, nature, degree of injury in emergencies.</p> <p>Goals, objectives and organization of the first medical emergency. Organization and provision of medical care in emergency situations. Medical and evacuation support. Two-stage system of medical care and treatment of victims. Pre-hospital medical care. Injuries and traumatism, mechanical trauma, classification, complications, causes. Temperature injury, burns, frostbite, electric shock, the sequence of provision of PHC and prevention of Thermal injury, burns, frostbite, electrical injury, the sequence of delivery of PMP. Techniques and methods of providing PMP with fractures and bleeding Techniques and methods of providing PMP with temperature lesions and electrical injuries. Techniques and methods of providing PMP with temperature lesions and electrical injuries. The concept of wounds, classification of wounds and their complications. Types of bleeding and their characteristics. Concepts of fractures. Long-term compression syndrome. Closed damage. Wounds to the chest. Wounds of the abdomen. Terminal state, preagony, agony, coma, clinical and biological death. Methods of resuscitation The General concept about the terminal States. preagony, agony, coma, clinical and biological death. Methods of resuscitation. Features of resuscitation in drowning. Features of resuscitation in case of overheating. The defeat of poisonous substances, poisonous substances classification according to different characteristics and properties. Principles of PMT, the concept of antidotes. Health care in emergencies associated with chemical</p>

Компетенция	Мероприятие текущего контроля	Контролируемые элементы результатов обучения
		accidents and catastrophes. Acute household poisoning and poisoning technical liquids. PMP and prevention of chemical lesion, its definition and characteristics. Classification of poisonous substances according to different characteristics and properties Medical characteristics of the lesion poisonous substances. Principles of PMP in the defeat of AHS, the concept of antidotes.
ОПК.13 готовность к применению специализированного оборудования и медицинских изделий, предусмотренных для использования в профессиональной сфере	Organization of work of units and institutions of health when an epidemic of burns. OOI and sanitary epidemiological investigation Итоговое контрольное мероприятие	Socio-biological emergencies. The concept of epidemiology, especially dangerous infectious diseases. Prevention and PHC. Sanitary and epidemiological measures. Organization of sanitary and anti-epidemic support in emergency situations. Socio-biological emergencies. The bacteriological destruction and their characteristics. The concept of epidemiology, especially dangerous infectious diseases. Prevention of PMP. Organization of sanitary and epidemiological measures. Organization of sanitary examination of food and water. Actions to prevent infectious diseases

Спецификация мероприятий текущего контроля

Medical-biological and sanitary - epidemiological protection in emergency situations. Disaster medicine service

Продолжительность проведения мероприятия промежуточной аттестации: **1 часа**

Условия проведения мероприятия: **в часы самостоятельной работы**

Максимальный балл, выставляемый за мероприятие промежуточной аттестации: **33**

Проходной балл: **14**

Показатели оценивания	Баллы
Knowledge of the program material, the ability to build a reasoned own position within the problems of the studied section Knowledge of the problems of the studied section. From 81%- up to 100% of the correct answers from the total number of submitted tests	33
Knowledge of the basic educational and program material to the extent necessary for further study, coped with the tasks provided by the program, but allowed inaccuracies in the definition of concepts, the inability to justify their arguments; Knowledge of the problems of the studied section.	14

From 42% to 60% of the correct answers from the total number of submitted tests	
Students when answering the questions allow multiple errors. There are gaps in knowledge of the basic material on the section, as well as significant errors in the presentation of the material Made significant mistakes in the knowledge of the problems of the studied section. From 0% to 40% of the correct answers from the total number of submitted tests	13

The defeat of poisonous substances, poisonous substances classification according to different characteristics and properties. Principles of PMT, the concept of antidotes. Medical and tactical characteristics of chemical disasters

Продолжительность проведения мероприятия промежуточной аттестации: **1 часа**

Условия проведения мероприятия: **в часы самостоятельной работы**

Максимальный балл, выставляемый за мероприятие промежуточной аттестации: **34**

Проходной балл: **14**

Показатели оценивания	Баллы
Knowledge of the problems of the studied section. From 81%- up to 100% of the correct answers from the total number of submitted tests	34
Knowledge of the problems of the studied section. From 42% to 60% of the correct answers from the total number of submitted tests.	14
Made significant mistakes in the knowledge of the problems of the studied section. From 0% to 40% of the correct answers from the total number of submitted tests	13

Organization of work of units and institutions of health when an epidemic of burns. OOI and sanitary epidemiological investigation

Продолжительность проведения мероприятия промежуточной аттестации: **1 часа**

Условия проведения мероприятия: **в часы самостоятельной работы**

Максимальный балл, выставляемый за мероприятие промежуточной аттестации: **33**

Проходной балл: **14**

Показатели оценивания	Баллы
Knowledge of the problems of the studied section. From 81%- up to 100% of the correct answers from the total number of submitted tests	33
Knowledge of the problems of the studied section. From 42% to 60% of the correct answers from the total number of submitted tests.	14
Made significant mistakes in the knowledge of the problems of the studied section. From 0% to 40% of the correct answers from the total number of submitted tests	13