

BUNIN YELETS STATE UNIVERSITY

WORKING PROGRAM OF THE DISCIPLINE B1.C.03.02 First aid

Training area: 38.03.02 Management

Orientation (profile): Organization management and logistics

Qualification (degree): Bachelor's degree

Form of study: full-time

The Institute: Institute of Economics, Management and Service Technologies

Department of Fundamental Medical and Clinical Disciplines

| | full | -time part- shape | time correspondence |
|---------------------|------|----------------------|------------------------|
| Course | 1 | | |
| Semester/ trimester | 2 | | |

| | | | |
|-----------------------------------|-------------|--|--|
| 2n | Lectures 18 | | |
| Laboratory classes | | | |
| Practical (seminar) classes | 18 | | |
| including practical training Form | | | |
| (s) of intermediate certification | Credit | | |
| Control | | | |
| Other forms of work | | | |
| Independent work | 36 | | |

Total hours:72 hours

Labor intensity: 2 credit unitss.

Developer(s) of the work program: senior teacher Dobrina E. V.

I.ORGANIZATIONAL AND METHODOLOGICAL SECTION

The purpose of studying the discipline is to acquire skills in recognizing signs of emergency conditions, the ability to provide first aid, preventive work, and respond adequately in the event of an epidemic process.

Objectives of studying the discipline:

- study the diagnosis of acute, life-threatening conditions;
- training in the basics of asepsis and antiseptics;
- formation of students' first aid skills in the most common emergency situations.

Place of the discipline in the structure of the OPOP: implemented as part of the mandatory part of the block B1. Disciplines (modules).

Planned results of training in the discipline:

| Code of competence | Indicators of achievement of competence | Planned results of training in the discipline |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UC-8 is able to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of threats and the emergence of emergency situations and military conflicts | Know: – factors of harmful influence on the vital activity of elements of the environment; - algorithms of actions in the event of emergencies and military conflicts– - safety rules at the workplace To be able to: – identify dangerous and harmful factors in the framework of the activities carried out, create and maintain safe living conditions in everyday life and in professional activities ; Own: - actions to prevent the occurrence of emergency situations (of natural and man-made origin) at the workplace and carry out rescue and emergency recovery measures in case of emergency situations. | Knows: - hygienic requirements of the work process ; - methods of prevention of diseases and injuries; - Ability to: - take into account the peculiarities of physical performance and the patterns of its changes during various time intervals when designing and implementing the labor process; - ensure compliance with hygiene requirements in the workplace; - provide emergency assistance to victims; ensure the protection of life and health in the workplace; and: - a system of practical skills and abilities that ensure the preservation and promotion of health, development and improvement of psychophysical abilities and qualities. |
| GPC-3 is able to develop sound organizational and managerial decisions based on their social significance, promote their implementation in a complex and dynamic environment, and assess their consequences | ∴ - basic methods and models for making organizational and managerial decisions and their socio-economic consequences. Be able to: - identify the problem situations of the organization's activity, justify, develop and implement organizational and managerial decisions; - evaluate the expected results of the proposed organizational and managerial decisions and assess the organizational and social consequences of the decisions taken. Own: - methods of evaluating the expected results of implementing the proposed organizational and | Knows: - methods for monitoring and evaluating the formation of results in the provision of first aid; - fundamentals of organization and control of safety at the workplace; Can: - independently select methodological approaches to first aid; - conduct evaluation procedures for the results of mastering methods for diagnosing emergency conditions; Has: - skills in ensuring safety at the workplace; - skills in providing first aid when servicing the population. |

| | | |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| | managerial solutions, using modern tools; - methods of analyzing the results of problem situations in the organization and developing organizational and managerial solutions, taking into account the achievement of economic and social efficiency. | |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

II. CONTENT AND SCOPE OF THE DISCIPLINE

Full-time education

| n / | a Name of sections and | topics Total | Classroom classes | | | Sam. rab. |
|------------|------------------------------------------------------------------------|-----------------|-------------------|-----------|----|--------------|
| | | | LC | PZ | LB | |
| 1. | Section 1. General provisions | 12 | 3 | 3 | | 6 |
| 2. | Topic 1. Assessment of the state of vital organs. | 4 | 1 | 1 | | 2 |
| 3. | Topic 2 Ensuring airway patency.. | 4 | 1 | 1 | | 2 |
| 4. | Topic 3. Cardiopulmonary resuscitation | 4 | 1 | 1 | | 2 |
| 5. | Section 2. Private emergency conditions | 60 | 15 | 15 | | 30 |
| 6. | Topic 4. Acute vascular insufficiency (collapse) | 4 | 1 | 1 | | 2 |
| 7. | Topic 5. Hypertensive crisis | 4 | 1 | 1 | | 2 |
| 8. | Topic 6. Myocardial infarction | 4 | 1 | 1 | | 2 |
| 9. | Topic 7. Acute cerebrovascular accident (strokes) | 4 | 1 | 1 | | 2 |
| 10. | Topic 8. Epileptic seizure | 4 | 1 | 1 | | 2 |
| 11. | Topic 9. Poisoning: the concept, classification of poisons | 4 | 1 | 1 | | 2 |
| 12. | Topic 10. Principles of first aid for poisoning with an unknown poison | 4 | 1 | 1 | | 2 |
| 13. | Topic 11. Comatose states | 4 | 1 | 1 | | 2 |
| 14. | Topic 12. Severe allergic reactions. | 4 | 1 | 1 | | 2 |
| 15. | Topic 13. Asphyxia | 4 | 1 | 1 | | 2 |
| 16. | Topic 14. First aid for wounds | 4 | 1 | 1 | | 2 |
| 17. | Topic 15. First aid for injuries | 4 | 1 | 1 | | 2 |
| 18. | Topic 16. First aid for burns | 4 | 1 | 1 | | 2 |
| 19. | Topic 17. First aid for heat stroke | 4 | 1 | 1 | | 2 |
| 20. | Topic 18. First aid for frostbite | 4 | 1 | 1 | | 2 |
| 21. | Reporting form | Offset | | | | |
| 22. | Total for 2 semester | 72 | 18 | 18 | | 36 |

| | | | | | | |
|-----|--------|----|----|----|--|----|
| 23. | TOTAL: | 72 | 18 | 18 | | 36 |
|-----|--------|----|----|----|--|----|

Full-time and part-time education (not implemented)

Part-time education (not implemented)

III. EVALUATION MATERIALS FOR THE CURRENT AND FUTURE EVALUATION OF THE PROJECT. INTERMEDIATE CERTIFICATION OF STUDENTS IN THE DISCIPLINE

Current certification is conducted in the form of a control paper, test, abstract, etc..

Standard version of the control work Solve situational problems

Task # 1

During the fall, the man hit his head. Complains of severe голов-headache, nausea, dizziness. On examination: consciousness is confused, skin is pale, pulse is 62-64 beats per minute. In the temporal area on the left, there is soft tissue puffiness, and there is a slight bleeding from the left ear. The patient avoids looking at the light. The left pupil is slightly wider than the right.

Tasks

1. Determine the patient's emergency condition.
2. Create an algorithm for providing pre-medical care.
3. Demonstrate the technique of applying a bandage to the ear.

Task # 2

In the lobby of the polyclinic, a 42-year-old patient suddenly developed a choking attack. The patient is sitting with his hands resting on the edges of the chair, the chest is in a state of maximum inspiration, the face is cyanotic, expresses fright, the respiratory rate is 38 per minute. Shortness of breath of expiratory nature, dry wheezing sounds are heard at a distance.

Tasks

1. Identify and justify the patient's emergency condition.
2. Create an algorithm for providing emergency care and justify each stage.
3. Demonstrate the technique of using a pocket metered-dose inhaler.

Task # 3

During the repair of the TV, a strong electrical discharge occurred.

current consumption. The master lost consciousness and fell down near the table. His hand continues

tightly grip the bundle of wires with the parts. His face is contorted with a spasm.

Choose the correct answers and arrange them in order of priority:

1. call an ambulance
2. call someone for help
3. strike a pro-cardinal blow as soon as possible and get started indirect heart massage
4. kill the wires with a knife or axe in one blow
5. cut each wire separately at different levels
6. put a pillow under your head
7. make sure that there is a pulse on the carotid artery and turn put the victim on his stomach
8. make sure that there is a pulse in the carotid artery, hit the victim follow the sternum and start an indirect heart massage
9. make sure that there is no pulse on the carotid artery and after the test start cardiopulmonary resuscitation after a cardinal blow
10. make sure that there is no pulse on the carotid artery and turn it around put the victim on his side

Assacha #4

After being struck by lightning in a lonely tree, one of those who took shelter under the nim from the rain of travelers fell dead. A person struck by lightning has a left hand – black, burned to the elbows, pupils wide and unresponsive to light.

there is no pulse in the carotid artery.

Choose the correct answers and arrange them in order of priority:

1. bury a lightning victim in the ground
2. strike a pro-cardinal blow and begin cardiopulmonary surgery. intensive care units
3. cover the burnt surface with a clean cloth
4. instruct someone to call an ambulance
5. turn the victim on his stomach and wait for the doctors to arrive
6. make sure that there is no reaction of the pupils to light and pulse on the carotid arteries
7. hold a mirror, cotton wool or feather to your mouth and watch for fogging of the glass and determine the presence of breath by the movement of the villi
8. put a chill on your head
9. put cold on the burn site
10. bring cotton wool with ammonia to your nose

Task # 5

You were contacted by your neighbors in the stairwell-in an apartment on the 5th floor in a man hanged himself in the bathroom.

Choose the correct answers and arrange them in order of priority:

1. get to the 5th floor as quickly as possible
2. take a knife in the kitchen and go up to the 5th floor
3. do not slowly cut the rope on which the suicide is hanging
4. take a suicide by the collar or hair and cut the rope
5. start pushing the suicide by the legs out of the loop
6. check the pupils ' response to light and pulse on the carotid artery
7. cut the rope squeezing the neck with a quick movement of the knife, directed by the cutting surface to the neck
8. cut the rope around your neck in the knot area
9. cut the rope with a knife, directing the force and cutting surface into the away from the neck
10. if there are signs of clinical death, call an ambulance
11. in case of clinical death, start cardiopulmonary surgery. resuscitation and send someone to call an ambulance

Approximate topics of research papers

1. Basic principles of first aid
2. Providing first aid for injuries
3. Providing first aid in case of accidents
4. Types of bleeding and first aid for bleeding.
5. Asphyxia. Reasons. The clinic. Providing medical care.
6. Electricalinjury. Reasons. Clinic. Possible complications.
7. Sequence of actions when providing assistance to the victim in the event of electricalinjury.
8. Drowning. Possible complications. Providing first aid
9. Bone fractures. Classification.
10. Closed Fracture Clinic. Diagnostics. Pre-medical assistance on the pre-hospital stage.
11. Open fracture. Clinic. First aid
12. Clinic: phases and periods of traumatic shock. First aid services to the victim.
13. Causes of cardiac and respiratory arrest. Terminal states.
14. Biological death. Clinical signs and diagnosis.
15. Foreign body asphyxia. Clinical signs. Providing emergency care help.
16. Traumatic shock. Clinic: phases, periods.
17. First aid to a victim of traumatic shock.

18. Frostbite. Reasons. Factors. Kinds. Periods.
19. The severity of frostbite. First aid.
20. Surface thermal burns. Clinic. Diagnostics.
21. First aid to a burn victim.
22. Hypothermia. Factors. Periods. Degrees of severity. First medical service help to the victim.
23. Cardiopulmonary resuscitation. Reasons.
24. Algorithm of cardiopulmonary resuscitation measures.

Intermediate certification of students is carried out in the form of a test using the following assessment materials: list of questions for the test.

Insureys to be taken into account (2nd semester, full-time study)

1. Rules for measuring blood pressure.
2. Heart rate assessment, BPD.
3. Perform CPR on adults.
4. Perform CPR on a 2-month-old child.
5. Stages of the body's dying.
6. Clinical death.
7. Criteria for the effectiveness of resuscitation measures.
8. Complications of resuscitation measures.
9. An attack of bronchial asthma. Symptoms. First aid.
10. Fainting. Collapse. Reasons. Symptoms. First aid.
11. Myocardial infarction. Symptoms. First aid.
12. Hypertension. Hypertensive crisis. First aid.
13. Stroke. Kinds. Symptoms.
14. First aid for stroke.
15. An epileptic seizure. First aid.
16. Carbon monoxide poisoning. Symptoms. First aid.
17. Ethyl alcohol poisoning. Symptoms. First aid.
18. Methyl alcohol poisoning. Symptoms. First medical aid.
19. FOS poisoning. Symptoms. First aid.
20. Hydrocyanic acid poisoning. Symptoms. First medical aid.
21. Ammonia poisoning. Symptoms. First aid.
22. Chlorine poisoning. Symptoms. First aid.
23. Diabetes mellitus. Complications.
24. Hyperglycemic coma. Hypoglycemic coma. Symptoms. First aid.
25. Hypoglycemic coma. Symptoms. First aid.
26. Brain coma. Reasons. Symptoms. First aid.
27. Allergic reactions. Kinds.

28. Angioedema. Anaphylactic shock. Symptoms.
29. Anaphylactic shock. First aid.
30. Drownings. Kinds. Symptoms.
31. First aid for drowning.
32. First aid for suffocation.
33. First aid for burns.
34. First aid for frostbite.
35. First aid for bruises.
36. First aid for fractures.
37. First aid for injuries.
38. First aid for bleeding.
39. Heat stroke. First aid.
40. First aid for sunstroke.
41. First aid for poisoning with medicinal products.
42. An attack of bronchial asthma. First aid.
43. First aid for fainting.
44. First aid for an attack of angina pectoris.
45. First aid for hypertensive crisis.

IV. LIST OF LITERATURE REQUIRED FOR MASTERING THE DISCIPLINE

4.1. Basic literature

1. Kalsina, V. V. Osnovy meditsinskikh znaniy : uchebno-metodicheskoe posobie : [Fundamentals of medical knowledge: educational and methodical manual: [16+] / V. V. Kalsina, O. A. Yakovleva ; Siberian State University of Physical Culture and Sports. - Omsk: Siberian State University of Physical Culture and Sports, 2021. - 69 p.: schematics, ill. - Access mode: by subscription. – URL: <https://biblioclub.ru/index.php?page=book&id=690240>(accessed: 20.04.2024). - ISBN 978-5-91930-184-4. - Text: electronic.

4.2. Additional literature

1. Misyuk M. N. Osnovy meditsinskikh znaniy i zdorovogo obraza zhizni : uchebnyy i praktikum dlya vuzov [Fundamentals of medical knowledge and healthy lifestyle]. - 4th ed., reprint. and add-ons. - Moscow: Yurayt Publishing House, 2024. - 379 p. — - (Higher education). — ISBN 978-5-534-17449-6. - Text : electronic // Educational platform Yurayt [website]. — URL: <https://urait.ru/bcode/535663>(accessed: 20.04.2024).

V.. LIST OF RESOURCES OF THE INFORMATION AND TELECOMMUNICATION NETWORK "INTERNET" REQUIRED FOR MASTERING THE discipline

| № Item No | . Link to the information resource | Name of the development in electronic form | Availability |
|--------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1. | https://infourok.ru/Инфоурок | Infowork: educational Internet project of Russia. Includes: lesson notes, presentations, tests, video tutorials, and other materials on school curriculum subjects. | Free access |
| 2. | http://edu.ru/ | Russian Education: Federal Portal. Includes links to portals and websites of educational institutions; state educational standards; regulatory documents; a catalog of excursions and training programs. | Free access |

VI. MODERN PROFESSIONAL DATABASES AND INFORMATION AND REFERENCE SYSTEMS

| | | | |
|---|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | http://www.biblioclub.ru.biblioclub.ru | Electronic Library System (EBS) University Library online | Registration via any university computer. In the future, unlimited individual access is provided from any shopping center that has access to the Internet |
| 2 | ..garant.ru | www.garant.ru Information and legal portal | Free access |
| 3 | www.elibrary.ru | Pwww.elibrary.ru Russian information portal in the field of science, technology, medicine and education | Free access |
| 4 | www.consultant.ru | Russian Computer Reference and legal system | Free access |

VII. LICENSED AND FREELY DISTRIBUTED SOFTWARE

When implementing an academic discipline, the following licensed and freely distributed software is used:

- Microsoft Windows;
- Microsoft Office;
- LibreOffice, etc..

VIII. EQUIPMENT AND TECHNICAL MEANS OF TRAINING REQUIRED FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE

DISCIPLINE, НЕОБХОДИМЫЕ ДЛЯ ОСУЩЕСТВЛЕНИЯ ОБРАЗОВАТЕЛЬНОГО ПРОЦЕССА ПО ДИСЦИПЛИНЕ

Training sessions are held in classrooms equipped with specialized furniture, including stationary or portable teaching equipment (projector, screen, computer / laptop).

Independent work is carried out in classrooms equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the university.