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Vice-Rector for Academic Affairs
R.K. Shalibaev

« 28 » 08 2019

of the discipline «Simulation Training in Nursing Care»

Makhachkala – 2019.

The work programme of the course "Simulation Training in Nursing Care" is developed in accordance with the Federal State Educational Standards of Higher Education in the specialty 05/31/01 General Medicine (higher education level – specialist programme), The programme is approved by the Academic Council of the FSFEI of HE DSMU under the RF Health Ministry (record No.1) and is compliant with the Federal State Educational Standards of Higher Education in the specialty 05/31/01 - General Medicine (higher education level – specialist programme), approved by order No. 95 of the RF Education and Science Ministry dated 09.02.2016.

The work programme was approved by the Department of Medical Simulation and Educational Practice on August 28, 2019, Record No. 5.

Work programme is coordinated with:

1. Director of SML of DSMU _____ (V.R. Musaeva)
2. Head of DAMS, S and CES _____ (A.M. Karimova)
3. Dean of the Therapeutic Department _____ (R.M. Ragimov)

Compiled by:

1. Head of the Department _____ (R.A. Koichuev)
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1. Reviewed by:

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1. GOAL AND OBJECTIVES OF THE DISCIPLINE

Goal – theoretical and practical study of Nursing Care basics to impart the students skills of providing the qualified, high-standard medical aid in their professional activities and the additional training for the successful primary accreditation, due in the sixth academic year. It is the theoretical knowledge of such key elements as asepsis, antiseptics, nursing care, preparation for various types of medical check-up and management that makes it possible to acquire the fundamental professional skills. The essential practical skills – those from the intramuscular injection up to cardiopulmonary resuscitation – are drilled on the most up-to date mannequins and robots. The synthesis of the accumulated knowledge gives a clear understanding of the core skills, expected in MD qualification. The obtained base becomes the foundation for further study of clinical subjects and the practical application of the skills in a variety of clinical cases.

Objectives:

- set up medical activity under the rules of asepsis in the in-patient and out-patient departments;
- nursing care and transportation of seriously sick patients;
- preparation for various types of medical check-up, pre-surgery preparation;
- be able to render the first medical aid in urgent cases;
- give notions of the first principles of desmurgy;
- develop the skills of the scientific literature and official statistics study;
- form the skills of communication with patients in compliance with deontology and ethic norms, depending on the revealed pathology and patients' characterological features;
- form the skills of communication with the team.

2. LIST OF THE EXPECTED LEARNING OUTCOMES

Competencies, formed in the course of the discipline study:

№	Competence category	
	1	2
1	General competencies	<p>GC-1: ability for abstract thinking, analysis and synthesis.</p> <p>To know: the urgent states, the classification and clinical patterns of these conditions, the scope of the first aid to be given in urgent cases</p> <p>To be able to: analyze the specific features of the urgent state manifestations, the dynamics and consistent patterns of the body system functions in various urgent states, assess own safety and render the first medical aid</p> <p>To possess: the main methods of diagnostics and management of disorders in human organs and systems, transporting immobilization</p> <p>GC-4: ability to undertake measures in non-standard situations and to take social and ethic responsibility for the decisions made.</p> <p>To know: science of health in the adult population, preventive methods, "physician-patient" and "physician-relatives" interrelation;</p> <p>- moral and ethic norms, rules and principles of professional medical conduct, patient's and physician's rights, the main ethical regulations of international and domestic professional medical associations and organizations</p> <p>To be able to: refer to the current labor legislations, in particular for females, to practically apply the norms of labor standards in certain cases;</p> <p>GC-6: the ability to use methods and means of physical education in order to carry out full-grade social and professional activity.</p> <p>To know: the main data on the cardiovascular and respiratory systems parameters</p> <p>To be able to: take electrocardiogram, pulse oximetry, blood pressure, thermometry.</p> <p>To possess: technique of palpation, percussion and auscultation of the cardiovascular</p>

		system
2	General professional competencies	GPC-8: preparedness to use medical drugs, other medical substances and their combinations in professional work.
		To know: the main techniques of drug administration, indications and contra-indications for various types of injections: - Storage of medical preparations; - Technique for enteral drug administration; - Technique for parenteral drug administration; - Oxygen therapy.
		To be able to: explain the essence of the oncoming method of drug administration to the patient, gain informed consent for the procedure, prepare and introduce the injection. To be able to carry out oxygen therapy
		To possess: techniques of introducing the intramuscular, intradermal, subcutaneous and intravenous injections
		GPC-9: the ability to assess morphological and functional, physiological states, pathological processes in the human body to solve professional tasks.
		To know: the mechanisms of the cardiovascular, digestive, respiratory and urinary systems functioning, patterns of allergic reactions. Clinical manifestations of the cardiovascular, digestive, respiratory, urinary and immune systems disorders; - the cardiovascular, digestive, respiratory, urinary systems, their role in maintaining and regulating the body homeostasis, characteristics and functional characteristics of conditions, associated with the damage to the above systems; - allergic reaction as body protective response to foreign antigens, the mechanism of its development. Characteristic features of various patterns of allergic reactions; - extent of medical aid in the digestive and urinary system malfunction; - basic drugs for the emergency aid in case of the cardiovascular and immune system malfunction.
		Be able to: check the consciousness, respiration, to measure heart rate and blood pressure
		Possess: the skill of basic cardiopulmonary resuscitation, probe feeding technique, cleansing and washing procedures.
		GPC-10: preparedness to undertake measures to provide care and give the first pre-medical aid
		To know: the main rules of nursing the critically sick patients
		To be able to: occupied bed-making and underwear changing of seriously ill patients, intra-hospital transportation
		To possess: skills of bedsores management and prevention, drainage care, colostomy and gastrostomy care and change
3	Professional competences	PC-1: the ability and preparedness to carry out a set of measures to maintain and improve health, including the promotion of healthy lifestyle, prevention and (or) spread of diseases, their early diagnostics, identification of the etiology, origin, and the ability to eliminate the harmful impact of environmental factors on the state of human health
		To know: definition of infection control, nosocomial infection; modes and mechanisms of infections transmission
		To be able to: apply the methods of asepsis, antiseptics, disinfection, pre-sterilization management and sterilization to control infection and eliminate the harmful impact of environmental factors on the human body
		To possess: technique of medical hands wash (scrubbing), donning and doffing of the sterile gown, gloves and mask.

III. PLACE OF THE DISCIPLINE IN THE STRUCTURE OF THE

EDUCATIONAL PROGRAM

The academic discipline "Simulation Training in Nursing Care" is a module of the higher education basic professional program in the specialty 31.05.01 "General Medicine".

The study of "Simulation Training in Nursing Care" requires the background knowledge, skills and competencies, pre-formed in the course of the following subjects:

- *Bioethics*

Knowledge: moral and ethical standards, rules and principles of professional medical conduct, patient's and the physician's rights, main ethical regulations of international and domestic professional medical associations and organizations;

Skills: create and maintain working relations with the team;

Skills: Principles of Medical Deontology and Medical Ethics

- *Human Anatomy*

Knowledge: anatomical and physiological, age and gender-related individual characteristics of the human body structure and development .

Skills: to palpate the main bone hallmarks in a living human body, determine the organs' topographic borders and the main vascular and nerve trunks;

Skills: to have knowledge of the medical and anatomical conceptual apparatus;

- *Histology with Embryology*

Knowledge of: the main patterns of human body development and work on the base of cell, tissue and organ structural organization; histofunctional features of tissue elements; methods of their investigation;

Skills: to analyze the histophysiological state of various cellular, tissue and organ structures;

- *Human Physiology*

Knowledge of: human body functional systems, their regulation and auto-regulation in interaction with the environment (in norm);

Skills: to interpret the results of the most common methods of laboratory and functional diagnostics, thermometry, pulse oximetry.

- *Psychology, Pedagogics*

Knowledge of: the main branches of Psychology, general and individual characteristics of the psyche in children, adolescents and elderly females, psychology of an individual, psychology of small groups.

Skills: informing patients of various age, their relatives and friends in compliance with the "informed consent" principles.

- *Jurisprudence*

Knowledge of: patient's and the physician's rights.

Skills: to know the current labor regulations, apply labor legislation in certain practical situations; protect the civil rights of physicians and patients of various age groups.

Discipline unit «Simulation Training in Nursing Care»

№	Discipline unit
1	Introduction to the subject.
2	General Issues of Infection Control
3	The fundamentals of nursing care and transportation
4	Medical Nutrition Basics
5	Diagnostic and preparation methods
6	Fundamentals of Physiotherapy
7	Basics of desmurgy
8	Basic medical manipulations, used in the process of patient care.
9	Urgent states
10	Basics of cleaning and washing procedures

11	Fundamentals of drug administration in nursing practice
12	The basics of injuries
13	End-of-year review

Interdisciplinary links with provided (follow-up) disciplines

№	The name of the provided (subsequent) disciplines												
		1	2	3	4	5	6	7	8	9	10	11	12
1	Propedeutics of Internal Diseases			+	+	+			+	+	+	+	
2	Hospital therapy				+	+			+	+	+	+	
3	Faculty therapy				+	+	+	+	+	+	+	+	
4	Immunology									+		+	
5	General surgery		+	+	+	+		+		+	+	+	+
6	Anesthesiology, resuscitation, intensive care			+	+	+				+	+	+	+
7	Faculty surgery		+	+	+	+				+	+	+	+
8	Traumatology and Orthopedics				+							+	+
9	Urology			+	+						+	+	
10	Medical rehabilitation				+		+					+	

IV. THE DISCIPLINE LABOR INTENSITY AND TYPES OF WORK

The total labor intensity of the subject is 3 credit units

Types of work	Total hours	Semester
		№ 3
Classroom-based work	42	42
Lectures (L)	8	8
Practical classes (PC)	34	34
Student's independent work (SIW)	66	66
Form of intermediate testing (Credit-test (C))	Credit-test	Credit-test
TOTAL		
Hours	108	108
C.u.	3	3

V. CONTENT OF THE DISCIPLINE

5.1. Units of the discipline and competencies formed

№ p/p	Competence under control	Discipline unit	Unit content
1	2	3	4
1.	GC-1; GC-4; GPC-9; GPC-10	Introduction to the subject.	Introductory lesson. Familiarization of students with the Department, the curriculum, goals and objectives of the discipline, standards of dress and appearance, rules of behavior. Information on textbooks and methodological literature.
2.	PC-1	General Issues	Hospital-acquired (nosocomial) infection. Asepsis. Disinfection.

		of Infection Control	Sterilization. Antiseptic. Hands scrubbing. Use of medical gloves, mask and robe.
3.	GC-4; GPC-9; GPC-10	The fundamentals of nursing care and transportation	Clinical hygiene of the patient. Skin, hair, nails care of seriously sick patient. Eyes, ears and nasal cavity care. Oral care delivery. Perineum and external genital organs care in bedridden patients. Syringing (irrigation). Perineum and external genital organs care delivery in seriously sick patients. Assisting the critically sick patients with bedpan. Changing the linen and underwear. Preparation and occupied bed making. Nurse's manipulation to change linen and clothes of seriously sick patient. Patient's transportation. Nurse's manipulations to change the position of bedridden patients. Transportation on stretchers. Prevention and management of bedsores.
4.	GC-4; GPC-8; GPC-9	Medical Nutrition Basics	The notion of stomas. Tracheostomy. Gastrostomy care. Intestinal stoma care. Nursing the patients with epicystostomy. Feeding the patients with intestinal stoma. Aid in rehabilitation. Patients' food hygiene. Definition of "Medical nutrition" concept. Methods of feeding. Artificial feeding. Body mass index, definition, clinical significance.
5.	GC-1; GC-4; GPC-9	Diagnostic and preparation methods	Patient's preparation for laboratory and instrumental methods of medical inspection. Preparation for medical check-up and blood sampling. Preparing for the medical check-up and urine draw. Preparing for medical inspection and feces draw. Preparation for medical inspection and sputum draw. Taking the contents of the pharynx for bacteriological examination. Nasal contents draw for bacteriological examination. The nasopharyngeal content sampling for bacteriological examination. Pinworm eggs detection. Preparation for the X-ray and endoscopic methods of medical inspection.
6.	GC-6; GPC-8	Fundamentals of Physiotherapy	Fundamentals of physiotherapy (vacuum therapy, "distracting" procedures, hirudotherapy). Oxygen therapy.
7.	GC-1; GC-4	Basics of desmurgy	Transporting immobilization. Desmurgy.
8.	GC-1; GC -4; GC -6; GPC-8; GPC -9	Basic medical manipulations, used in the process of patient care.	Thermometry. Heart rate measurement. Blood pressure measurement. Patient's preparation and ECG technique. Respiratory pathology. Respiratory rate measurement.
9.	GC -1; GC -4; GC 6; GPC -8; GPC -9	Urgent states	Emergency aid in acute cardiovascular and respiratory failure. Terminal state. Basic cardiopulmonary resuscitation. Features of resuscitation in children. Acute vascular failure. Syncope. Collapse. Heatstroke. Sunstroke. Anaphylactic shock. Drowning. Upper airway aspiration with the foreign object (choking, obstruction).
10.	GC -4; GPC -8; GPC -9	Basics of cleaning and washing procedures	Cleaning and washing procedures. The procedure of personal protective equipment (PPE-mask gown and gloves) donning and doffing. Probe manipulations. Gastric lavage. Duodenal intubation. Colonic (flatus) tube placement. Enemas. Medicinal enemas. Cleansing (purgative) enema. Laxative enemas. Siphon enema.

			Bladder catheterization. Catheter care. Bladder catheterization. Perineum care delivery in male and female patients with urinary catheter.
11.	GC -1; GPC -8; GPC -9	Fundamentals of drug administration in nursing practice	Medicines in nursing practice. Administration and storage of medicines. Modes of drug administration. External drug administration. Enteral drug administration. Parenteral drug introduction. Post-injection complications
12.	GC -1; GPC -8	The basics of injuries	Thermal (heat) injuries. Burns. Cold (freezing) injury. Blood substitutes Traumas. Injuries. Sprains and ruptures. Concussions (commotions, contusions). Compression. Closed injuries of the chest and its organs. Closed injuries of the abdominal organs.

5.2. Units of the discipline and labor intensity by type of academic work

Unit №	Discipline Unit	Type of academic work, hours				
		L	PC	* SSW	Total hours	
1	Introduction to the subject	1	2	2	5	Familiarization with the department, the work of the accreditation simulation center
2	General infection control issues		2	4	6	Interview, assessment of practical skills
3	Basics of nursing care and transportation of patients in healthcare facilities		2	2	4	Interview, assessment of practical skills
4	Fundamentals of feeding		2	2	4	Interview, assessment of practical skills
5	Diagnostic and preparation methods	1	4	8	13	Interview, assessment of practical skills
6	Physiotherapy basics		2	2	4	Interview, assessment of practical skills
7	Desmurgy fundamentals		2	4	6	Interview, assessment of practical skills
8	Main medical manipulations in Nursing Care	1	2	4	7	Interview, assessment of practical skills
9	Urgent states	1	2	6	9	Interview, assessment of practical skills
10	Basics of cleansing and washing procedures	2	4	8	14	Interview, assessment of practical skills
11	Fundamentals of drug administration in nursing practice		4	8	12	Interview, assessment of practical skills
12	Basics of injuries	2	4	8	14	Interview, assessment of practical skills
13	End-of-year review		2	8	10	Credit-test
Итого:		8	34	66	108	

Plan of the lectures

№ of	Lectures	Hours per
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the section		semester
		III
1	Introductory lesson. Familiarization with the Department, the curriculum, goals and objectives of the subject, standards of dress and appearance, rules of behavior. Information on textbooks and methodological literature. Patient's medical check-up. Preparation for various types of medical examination. Clinical blood count, capillary blood glucose test, blood biochemistry, routine urinalysis, general feces analysis. Draw of other biological material and wound surfaces for medical examination. Preparation for endoscopic examination. Pre-surgery preparation.	2
2	Basic cardiopulmonary resuscitation (CPR). The main manifestations of hemodynamic disorders. Drowning. Anaphylactic shock. Algorithm of first aid in emergency and urgent cases.	2
3	Gastrointestinal tract (GIT). Types of cleansing and washing procedures. Urinary system. Catheterization (types). Syringing (irrigation).	2
4	Thermal and trauma injuries. First medical aid. Anti-shock measures.	2
5	Total	8

Plan of practical classes

№ of the section	Topics of practical classes	Number of hours per semester
		№ 3
1.	Introductory lesson. Familiarization with the Department, the curriculum, goals and objectives of the discipline, standards of dress and appearance, rules of behavior. Information on the educational and methodological literature.	2
2.	Hospital-acquired infection. Asepsis. Disinfection. Sterilization. Antiseptic. Medical hand scrubbing. Use of medical gloves, masks and gowns.	2
3.	Clinical hygiene of the patients. Skin care delivery to bedridden patient. Hair and nail care delivery, shaving of seriously sick patient. Eye care delivery. Ear care delivery. Nasal cavity care. Oral cavity care. Syringing (irrigation). The perineum and external genital organs care delivery in severe cases. Assisting severely sick patients with bedpan. Change of linen and underwear. Occupied bed making (i.e nurse's manipulations to prepare and change linen for a seriously sick patient). Nurse's manipulations to change linen and clothes for severely sick patients. Lifting the patient up in bed. The nurse's manipulation to reposition the confined patient. Transportation on stretchers. Prevention and management of bedsores.	2
4.	Notion of stomas. Tracheostomy. Gastrostomy care. Intestinal stoma care. Nursing the patients with epicystostomy. Feeding the patient with an intestinal stoma. Aid in rehabilitation. Patient's food hygiene. Definition of "Medical nutrition". Feeding methods. Artificial feeding. Body mass index, definition, clinical significance.	4

5.	Preparation of the patient for laboratory and instrumental medical check-up. Preparation for medical examination and blood test. Preparation for examination and urinalysis. Preparation for examination and feces analysis. Preparation for examination and sputum sampling. Draw of the throat contents for bacteriological examination. Draw of the nasal contents for bacteriological study. Draw of the nasopharynx contents for bacteriological examination. Pinworm eggs detection. Patient's preparation for X-ray examination and endoscopic inspections.	2
6.	Fundamentals of physiotherapy (vacuum therapy, "distracting" procedures, hirudotherapy). Oxygen therapy.	2
7.	Transport immobilization. Desmurgy.	2
8.	Thermometry. Heart rate measurement. Blood pressure measurement. Patient preparation and ECG taking technique. Respiratory pathology. Respiratory rate assessment.	2
9.	Emergency aid in acute cardiovascular and respiratory failure. Terminal state. Basic cardiopulmonary resuscitation. Features of resuscitation in children. Acute vascular failure. Syncopy. Collapse. Heatstroke. Sunstroke. Anaphylactic shock. Drowning. Upper airway aspiration with a foreign object.	2
10.	Cleaning and washing procedures. Probe manipulations. Gastric lavage. Duodenal probing. Colonic (flatus) tube insertion. Enemas. Medicinal enemas. Cleansing enema. Laxative (purgative) enemas. Siphon enema. Bladder catheterization. Catheter care. Bladder catheterization. Perineum care delivery in male and female patients with urinary catheter.	4
11.	Medicines in nursing practice. Administration and storage of medicines. Modes of drug administration. External drug administration. Inhalation drug introduction. Enteral drug administration. Parenteral drug administration. Post-injection complications	4
12.	Thermal injuries. Burns. Cold injury. Blood substitutes Traumas. Injuries. Sprains and ruptures. Concussions (contusions). Compression. Closed injuries of the chest and its organs. Closed injuries of the abdominal organs	4
13.	Preparation for the credit-test	2
Total:		34

5.3. Student's independent work (SIW)

№	Section	TYPES OF SIW	Total hours
1	3	Preparation for practical training; study of educational and scientific literature	2
2	3	Preparation for practical training. Algorithm of donning and doffing sterile medical gloves, mask and gown. Medical hand scrubbing.	4
3	3	Preparation for practical training; study of educational and scientific literature	2
4	3	Preparation for practical classes on feeding seriously ill patients, body mass index.	2
5	3	Draw of biological material for medical examination (independently). Preparation for practical classes; study of educational and scientific literature	8
6	3	Preparation for practical classes; study of educational and scientific literature. Cupping and distractions procedures on relatives	2
7	3	Preparation for practical classes; study of educational and scientific literature. Practice of bandaging on relatives.	4
8	3	Preparation for practical classes. To practice taking the pulse, blood	4

		pressure and respiratory rate measurement in relatives.	
9	3	Preparation for practical classes	6
10	3	Preparation for practical classes	8
11	3	Preparation for practical classes. Injection techniques (intradermal, subcutaneous, intravenous and intramuscular) on relatives	8
12	3	Preparation for practical classes. Practicing the immobilization methods on relatives.	8
13	3	Revision of the studied material. Preparation for the end-of course monitoring.	8
TOTAL			66

Topics of essays on the student's independent work (SIW)

(GC -1; GC -4; GC 6; GPC -8; GPC -9; GPC -10; PC-1) :

1. Conducting a complex of cardiopulmonary resuscitation: conduct basic CPR
2. Technique of intravenous injection
3. Technique of subcutaneous injection
4. Technique of intramuscular injection
5. Technique for intravenous drip infusion
6. Technique of intradermal injection
7. Blood pressure measurement technique: measure blood pressure
8. Technique of nasogastric intubation: insert a nasogastric tube
9. Technique for setting a cleansing enema
10. Technique of gastric lavage
11. Bladder catheterization in men
12. Catheterization of the urinary bladder in women
13. Applying the bandage Dezo
14. Applying an eight-way bandage to the ankle joint
15. Applying a bandage "Cap"
16. Applying a sling bandage
17. Applying a scarf bandage
18. Applying the bandage "Mitten" to the hand
19. Conducting the Heimlich reception
20. 2Superposition of an electrocardiogram
21. Imposition of the "Turtle" bandage on the knee joint
22. Apply a Dieterichs splint in case of a fracture of the shin bones.
23. Apply Kramer's ladder splint in case of fracture of the shin bones
24. Apply Kramer's ladder splint in case of hip fracture
25. Apply Dieterichs splint for hip fracture

26. Apply Kramer's ladder splint in case of fracture of the forearm bones
27. Apply Kramer's ladder splint in case of shoulder fracture

VI. EDUCATIONAL, METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

6.1. Basic literature.

Published sources:

№	Editions	Author (s)	Year, place of publication	Number of available copies	
				in library	at the Department
1	General Nursing Care Basics.	Grebenev A.L.	Moscow, Meditsina, 1991.-254p.	44	4
2	General nursing care of the therapeutic patient.	Akhmedkhanov S.Sh.	Makhachkala: EPC of DSMU, 2016	237	4

Electronic resources:

№	Edition name
1.	General care of patients with a therapeutic profile: textbook. all. / edited by V.N. Oslopov, O.V. Epiphany. - Moscow: GEOTAR-Media, 2017. - 464 p. // Student advisor: student e-library: e-library system. – Moscow, 2019. – Access mode. - URL: https://www.studentlibrary.ru/book/ISBN9785970441138.html . - Text: electronic.

6.2. Supplementary literature

Paper resources:

№	Edition name	Number of available copies
1	Gostishchev V.K. General surgery: a textbook for students. Medical universities / V.K/ Gostishchev. - 4-th ed., Rev. and add. - Moscow: GEOTAR-Media, 2006. - 832 p. – Text: direct. ISBN 5970402664:480-00	94
2	Chernov V. N. Textbook for the course of general surgery: test questions, methodology for performing practical. skills, situational tasks / edited by V. N. Chernova. - Rostov-on-Don: Company «Book», 2003. - 576 p. – Text: direct. ISBN 587259237X	10
3	Petrov S.V. General surgery: textbook with CD for medical students / S.V. Petrov. - 3-th ed., rev. and additional. - Moscow: GEOTAR-Media, 2005. -768 p – Text: direct. ISBN 5970401048:480-00	94

E-resources

№	Source
1	General surgery: textbook / V.K. Gostishchev. - 5th ed., Rev. and add. - Moscow: GEOTAR-Media, 2015. - 728 p. // Student advisor: student e-library: e-library system. – Moscow, 2019. - Access mode. - URL: http://www.studmedlib.ru/book/ISBN9785970432143.html . - Text: electronic.
2	General Surgery / S.V. Petrov. - Moscow: GEOTAR-Media, 2010 - 768 p. - // Student advisor: student e-library: e-library system. – Moscow, 2019. - Access mode. - URL: http://www.studmedlib.ru/book/ISBN9785970415726.html . - Text: electronic.

7. Resources of the "Internet" Information and Telecommunication network.

Websites:

1. <http://lib.ru/NTL/MED/>
2. <http://med-lib.ru/>
3. <http://www.infamed.com/katalog/>
4. <http://www.medbook.net.ru>

8. INFORMATION TECHNOLOGIES

The Department makes use of general package of documents and Internet-based material, intended to improve the course of "Simulation Training in Nursing Care" and to ensure proficiency in the educational activities. The majority of programs are known to feature the implementation of the didactic principle of visual demonstration in teaching process; thus the students can use a wide range of methods to solve the tasks. IT techniques.

The Information technology in the course of "Simulation Training in Nursing Care" comprises:

- demonstration of multimedia materials, including teaching video films;
- search systems
- fmza.ru- methodological center website for specialists' accreditation

IX. MATERIAL AND TECHNICAL SUPPORT
Data on physical infrastructure, required for implementation of the educational process.

№	Location (of buildings), structures, training rooms, premises.	Ownership, operational structure, self- sustaining organization, rent, subrent, free use.	The discipline.	The use of equipped buildings, facilities, premises *, territories with indication of the area (in sq.m.)	Specially equipped training rooms and facilities for independent work	Equipment of training rooms and facilities for independent work	List of the licensed software. The document requisite
1	44,Shamil Avenue	Operational structure.	4 Simulation training Nursing Care	5 For academic and educational purposes	6 For lectures - Hall №3 Biological Block, Hall of the Morphologic Block <ul style="list-style-type: none"> • for practical classes, rooms on the ground and on the 1st floors of the Accreditation Simulation Center of the DSMU. • Staff/Teachers' Office • Office of the head of DSMU Accreditation Simulation Center. 	7 For lectures:----- For practical classes: simulation equipment. Personal computers-2; Canon MF-232W printer; EPSON Projector - 2.	8 The list of software (Win HOME 10 Russian OLP (Subscription agreement Tr000044429 dated 08.12.15); Kaspersky Edition Security for Business - Standard Russian Edition. 100-149 Node (License agreement No. 1081-2015 dated 14.10.2015); Office ProPlus 2013 RUS OLP NL Acdmc (contract No. DP-026 dated 16.10.13), etc.)

X. HUMAN RESOURCES

Teaching staff, engaged in the implementation of the educational process of the discipline.

The Department has 9 teachers on staff.

The total rate of the research and educational personnel, implementing the discipline – 5,25 rate.

No	University teacher's full name.	Terms of work (full-time, internal part-time, external part-time, under contract).	Position, Scientific Degree/ Rank	Disciplines taught by the curriculum.	Education (educational institution, year of graduation).	Level of education, specialty by the Diploma, qualification.	Workload in the discipline	Data on additional professional education, year.	Total work experience
								Special. Ped. and Psychol.	
1	Koichuev Rasul Abakarovich	Part-time	Acting Head of the Department	Simulation training in Nursing Care	DSMA, 2001	Speciality, General Medicine, Physician (MD)	0,5	2003, 2006	16 years
2	Aliiev Basir Omarovich	Part-time	Associate Professor	Simulation training in Nursing Care	DSMI, 1972	Speciality, General Medicine, Physician (MD)	0,5	1973, 1978	46 years
3	Aselderova Aida Shamsutdinovna	Part-time	Associate Professor	Simulation training in Nursing Care	DSMI, 1985	Speciality, General Medicine, Physician (MD)	0,25	2015, 2019	34 years
4	Abdurazakova Milana Abdurazakovna	Full-time	Teaching Assistant	Simulation training in Nursing Care	DSMA, 2010	Speciality, General Medicine, Physician (MD)	1,0	2011, 2015, 2018	7 years
5	Aisaeva Bakhu Magomedkhabovna	Full-time	Teaching Assistant	Simulation training in Nursing Care	DSMU, 2017	Speciality, General Medicine, Physician (MD)	1,0	2019	3 years
6	Suleimanova Khazina Magomedovna	Full-time	Teaching Assistant	Simulation training in Nursing Care	DGMA, 2012	Health Care Manager in Nursing Care	1,0	2013, 2017	15 years

7	Demirova Rumina Razhidinovna	Part-time	Teaching Assistant	Simulation training in Nursing Care	SPSMA, 2000	Speciality, General Medicine, Physician (MD)	0,25	2001, 2003, 2009	2020	36 years
8	Mamedova Yulduz Narimanovna	Part-time	Teaching Assistant	Simulation training in Nursing Care	DSMU, 2014	Speciality, General Medicine, Physician (MD)	0,25	2016	2020	6 months
9	Omarova Patimat Magomedovna	Part-time	Teaching Assistant	Simulation training in Nursing Care	DSMI, 1999	Speciality, General Medicine, Physician (MD)	0,5	2001, 2005	2015	18 years

XI. SHEET OF CHANGES TO THE WORK PROGRAM

Changes are introduced into the work program in accordance with the Rector's Orders and the decisions, supposed to improve the educational and methodological support of the discipline (after the changes have been approved at the corresponding level- decision of the Academic Council, CKMS- and recorded in the list of changes).

Work program changes registration sheet.

Academic year	Date and No of the change	Requisites of the protocol	Section, unit	Signature of the person Registering changes
20 - 20				
20 - 20				
20 - 20				
20 - 20				