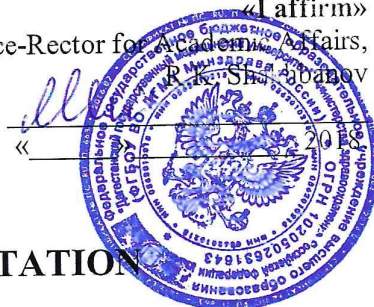


**FEDERAL STATE-FUNDE EDUCATIONAL
INSTITUTION OF HIGHER EDUCATION
«DAGESTAN STATE MEDICAL UNIVERSITY»
UNDER HEALTH MINISTRY OF THE RUSSIAN FEDERATION
(FSFEI OF HE UNDER HEALTH MINISTRY OF THE RUSSIAN
FEDERATION)**

«I affirm»
Vice-Rector for Academic Affairs,
R. M. Shaabanov



WORK PROGRAMME ANNOTATION

of the discipline «Simulation Training in Nursing Care»

Index of the discipline – **Б1.Б.ОД.5**
Specialty – **31.05.01 General Medicine**
Level of the higher education- **specialist programme**
Graduate's qualification – **Medical Doctor**
Faculty- **therapeutic**
Department- **Medical Simulation and Practice**
Course of study- **full-term**
Academic year- **2**
Semester- **III**
Total labor intensity (in credit units/hours)- **3 c.u. / 108 hours**
Lectures- **8 hours**
Practical classes- **34 hours**
Students' self-study - **66 hours**
Form of assessment- **credit-test in the III semester**

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 system</p>

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 bed sore 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

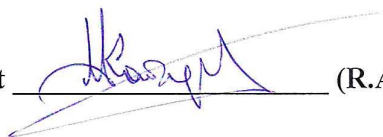
Units of the discipline and labor intensity by type of academic work

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		2	2	4	Interview, assessment of practical

	transportation of patients in healthcare facilities					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	

6. TYPES OF CONTROL: credit-test in 3 semester

Head of the Department



(R.A. Koichuev)