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**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
RUDN University**

Institute of Medicine

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Emergency Conditions

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

General Medicine

higher education programme profile/specialisation title

2022-2023

1. COURSE GOAL(s)

The goal of the course “Emergency Conditions” is to equip students with the knowledge for providing acquisition and mastering of practical skills for the implementation of necessary actions and activities during the medical examination, according to the standards of the European Resuscitation Council emergency care.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) “Emergency Conditions” is aimed at the development of the following competences /competences in part: GPC-4, PC-1,

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-4	The ability to use medical devices prescribed by the order of medical care, and do examinations of the patient	GPC -4.1 Be able to use medical devices in according to the current procedures of medical care, clinical recommendations (treatment protocols) of medical care.
		GPC -4.3 Perform the technique of typical medical manipulations using medical devices according to medical care procedures
PC-1	The ability to provide medical care to the severe patient	PC -1.1. The ability to assess the severe state of a patient
		PC -1.4. The ability to recognize emergency situations including clinical death (stopping the vital functions of the human body (blood circulation and / or respiration), requiring emergency medical care

Competence code	Competence descriptor	Competence formation indicators (within this course)
		PC-1.5 The ability to perform emergency care to patients in emergency situations including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration)

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
OPK-4	The ability to use medical devices prescribed by the order of medical care, and do examinations of the patient	Introduction to internal diseases,	Internal diseases State final certification,
PK-1	The ability to provide medical care to the severe patient	Introduction to internal diseases,	Internal diseases State final certification,

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course “Emergency Conditions” is 1 credits (34 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (full-time training)**

Type of academic activities	Total academic hours	Semesters/training modules			
		7			
Classroom lessons (academic hours).	34	34			
including:					
Lectures (LC)					
Lab work (LW)					

Type of academic activities		Total academic hours	Semesters/training modules			
			7			
Seminars (workshops/tutorials) (S)		21	21			
<i>Self-studies</i>		9	9			
<i>Evaluation and assessment (exam/passing/failing grade)</i>		4	4			
Course workload	academic hours_	34	34			
	credits	1	1			

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Section 1 Emergency care for sudden death in moving traddic	Topic 1.1. Emergency care for sudden death in adults with/without AED Topic 1.2. Emergency care for resuscitation in the case of diagnosing a rhythm that can be defibrillated and not. Topic 1.3. Emergency care for sudden death in children	S
Section 2 Emergency care	Topic 2.1. Emergency care for anaphylaxis Topic 2.2. Emergency care for a foreign body	S
Section 3 Physical examination of patients with interpretation of the results	Topic 3.1 Auscultation of sounds symptoms of the heart. Interpretation of identified auscultatory syndromes	S
Section 4 Communication skills	Topic 4.1 Calgary - Cambridge model of communication	S
Section 5 Final lesson	Final lesson	S

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
Lecture	A lecture hall for lecture-type classes,	

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	equipped with a set of specialised furniture; board (screen) and technical means of multimedia presentations.	
Lab work	A classroom for laboratory work, individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and machinery.	List of specialised laboratory equipment, machinery, stands, etc.
Seminar	A classroom for conducting seminars, group and individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and technical means for multimedia presentations.	List of specialised equipment, stands, visual posters, etc.
Computer Lab	A classroom for conducting classes, group and individual consultations, current and mid-term assessment, equipped with personal computers (in the amount of ___ pcs), a board (screen) and technical means of multimedia presentations.	List of specialised software installed on computers for mastering the discipline
Self-studies	A classroom for independent work of students (can be used for seminars and consultations), equipped with a set of specialised furniture and computers with access to the electronic information and educational environment.	

* The premises for students' self-studies are subject to **MANDATORY** mention

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1.
2.

Additional readings:

1.
2.

Internet sources

1. Electronic libraries (EL) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System (RUDN ELS) <http://lib.rudn.ru/MegaPro/Web>
- EL "University Library Online" <http://www.biblioclub.ru>
- EL "Yurayt" <http://www.biblio-online.ru>
- EL "Student Consultant" www.studentlibrary.ru
- EL "Lan" <http://e.lanbook.com/>
- EL "Trinity Bridge"
-

2. Databases and search engines:

- electronic foundation of legal and normative-technical documentation
<http://docs.cntd.ru/>
- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- Scopus abstract database <http://www.elsevier.com/locate/scopus/>

Training toolkit for self- studies to master the course *:

1. The set of lectures on the course “Emergency Conditions”

* The training toolkit for self- studies to master the course is placed on the course page in the university telecommunication training and information system under the set procedure.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS’ COMPETENCES LEVEL UPON COURSE COMPLETION

The assessment toolkit and the grading system* to evaluate the competences formation level (competences in part) upon the course study completion are specified in the Appendix to the course syllabus.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

Developers:

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Heard of basic educational department

Director of the Accreditation and Simulation Training Centre		Tigai Zh.
position	signature	name

Head of the educational program of higher education

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
Hall Accreditation and simulation center		Simulator complex " Ambulance car" complete with an adult resuscitation simulator with wireless control for providing emergency care in a team under various conditions with the ability to monitor and record basic vital signs
163- class for training skills CPR BLS, ALS	Epson multimedia projector, Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365, Teams, Skype) Plasma panel Led LG	Defibrillator Power Heart AED, Medical couch, Dropper stand, rolling tables, baby changing table, Functional medical bed KMFT-MSK, /child manikin for training basic CPR, Simulator for training CPR BT-CEAB2, MATIman patient simulator, SN.253 K360034 + DELL laptop, NRSP-02 emergency medical positioning, Alex Simulator, Yellow medical container, ECG machine, Black stretcher
161- simulation class for training patient's care skills;	Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365, Plasma panel Led LG	Plasma panel Led LG Patient's care simulator NS SB 20144, VirtuSHOK simulator, NS.LF03968U, Bladder Catheterization Trainer LT60155, Simulator for training probe feeding KKMW8.11-386, Simulator for training intramuscular injections LM, Simulator for training intravenous injection and venopuncture LT 00290, Defibrillator Power Heart AED, LM026M Neonatal Care Training Baby Trainer, Axeon ECG,
164- simulation class for training heart and lung auscultation, measuring BP;	Lenovo laptop, Software: Microsoft products (OS, office suite, including MS Office/Office 365, Epson multimedia projector, Smart board	Simulator for physical examination UM HARVEY, Simulator for measuring blood pressure with tablet BT-CEAB2, Simulator for training pediatric auscultation CR718-8850, Simulator for abdominal examination, NF0004309, Simulator SAM II

7. RECOMMENDED SOURCES for COURSE STUDIES

Main readings:

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Recommendations ESC 2021.

Recommendations ESC 2017.

Recommendations AAK, AAC, 2016

5. Materials of the Federal methodological accreditation center: a list of practical skills in simulated conditions. <https://fmza.ru>

6. Clinical guidelines VNOK, 2020

Additional readings:

Internet sources

1. Electronic libraries (EL) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System (RUDN ELS) <http://lib.rudn.ru/MegaPro/Web>
- EL "University Library Online" <http://www.biblioclub.ru>
- EL "Yurayt" <http://www.biblio-online.ru>
- EL "Student Consultant" www.studentlibrary.ru
- EL "Lan" <http://e.lanbook.com/>
- EL "Trinity Bridge"

2. Databases and search engines:

- electronic foundation of legal and normative-technical documentation <http://docs.cntd.ru/>

- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- Scopus abstract database <http://www.elsevierscience.ru/products/scopus/>

Educational and methodological materials for independent work of students in the development of the discipline / module

1. Materials of the Federal Methodological Accreditation Center: a list of practical skills in simulated conditions. <https://fmza.ru>

2. *Internet (based) sources*

2. Databases and search engines:

- electronic fund of legal and regulatory and technical documentation <http://docs.cntd.ru/>

- search system Yandex <https://www.yandex.ru/>
- search system Google <https://www.google.ru/>
- abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

8. EVALUATION TOOLKIT AND GRADE SYSTEM FOR ASSESSMENT

Evaluation Toolkit (ET) and a point-rating system (PRS)* for assessment the level of competence formation (GPC-4, PC-1) based on the results of mastering the discipline "Emergency medical aid in urgent conditions (simulation course)" are presented in the Appendix to this Work Program of the discipline.

* - ET and PRS are formed on the basis of the requirements of the relevant local regulatory act of the RUDN

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