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Информация о владельце:
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Должность: Ректор
Дата подписания: 07.06.2023 15:57:05
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

**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

Public Health and Healthcare Economics

course title

Recommended by the Didactic Council for the Education Field of:

31.05.03 Dentistry

field of studies / speciality code and title

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

Dentistry

higher education programme profile/specialisation title

2022-2023

1. COURSE GOAL(s)

The goal of the course «Public health and healthcare» is to equip students with the knowledge of indicators characterizing the health status of various age-sex, social, professional and other groups of the population; measures to preserve, strengthen and restore health; the theoretical foundations of health; the introduction of new economic and medical-social technologies in the activities of medical institutions.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «Public health and healthcare» is aimed at the development of the following competences /competences in part : **GC -7.1; GC -7.2; GC -7.3; SPC-5.1; SPC-5.2; SPC-7.1; SPC-7.2; SPC-7.3; SPC-7.4; SPC-7.5**

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GC-7	The ability to maintain the proper level of physical fitness to ensure full-fledged social and professional activities	GC-7.1. The choice of health-saving technologies to maintain a healthy lifestyle, taking into account the physiological characteristics of the body
		GC -7.2. Planning the working time in order to optimally combine physical and mental stress and ensure performance
		GC -7.3. Compliance with and promotion of a healthy lifestyle in various life situations and in professional activities
SPC-5	The ability to conduct health and hygiene education among the population and medical workers in order to form a healthy lifestyle	SPC -5.1. Formation in patients (their relatives/legal representatives) motivation for a healthy lifestyle and giving up bad habits
		SPC -5.2. Formation in patients (their relatives/legal representatives) of positive behavior aimed at maintaining and improving the level of health
SPC -7	The ability to conduct organizational and managerial activities	SPC -7.1. Maintaining medical records.
		SPC -7.2. Organization of management of nursing staff, quality control of medical care and medical appointments.
		SPC -7.3. Conducting an examination of temporary disability of patients, disability for caring for a sick child, determining medical indications for employment, transfer to facilitated working conditions, sanatorium treatment.
		SPC -7.4. Analysis and provision of basic medical and statistical indicators in the prescribed manner (morbidity, disability, mortality, lethality) of the population of the service area.

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course 'Public Health and Healthcare' 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*
GC-7	The ability to maintain the proper level of physical fitness to ensure full-fledged social and professional activities	Hygiene, Physical Culture and Sports, Elective Courses of Physical Culture and Sport	
SPC -5	The ability to conduct health and hygiene education among the population and medical workers in order to form a healthy lifestyle	Psychology, Pedagogy, Hygiene, Prevention and Public Dental Health, Observing and Assisting a Dentist (Hygiene)	Observing and Assisting a Dentist (Oral Surgery), Pediatric Dentistry, Orthodontics and Pediatric Prosthodontics, Observing and Assisting a Dentist (Pediatric)
SPC -7	The ability to conduct organizational and managerial activities	Immunology, Clinical Immunology; Organization of General Care; Propaedeutics of Dental Diseases	

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course 'Public Health and Healthcare' is 2 credits (72 academic hours).

Table 4.1. Types of academic activities during the periods of higher education programme mastering

Type of academic activities	Total academic hours	Semesters/training modules			
		7			
<i>Contact academic hours</i>	48	48			
including:					
Lectures (LC)					

Type of academic activities		Total academic hours	Semesters/training modules			
			7			
Lab work (LW)		48	48			
Seminars (workshops/tutorials) (S)						
<i>Self-studies</i>		24	24			
<i>Evaluation and assessment (exam/passing/failing grade)</i>						
Course workload	academic hours	72	72			
	credits	2	2			

* To be filled in regarding the higher education programme correspondence training mode.

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Section 1. Methods of analysis and assessment of public health.	Topic 1.1. Public health and health care as a science and subject of teaching. Research aimed at studying public health. Stages of medical/public health research.	LW
	Topic 1.2. Evaluation of public health and the results of medical/public health research using statistical methods.	LW
	Topic 1.3. Public health assessment. Analysis and assessment of morbidity and disability of the population.	LW
	Topic 1.4. Medical and social aspects of demography. Demography. Mechanical movement of the population. The natural movement of the population.	LW
Section 2. Management and organization of the work of medical institutions. Organization of the activities of the dental service.	Topic 2.1. Theoretical foundations and principles of healthcare organization. Organization of outpatient and inpatient care.	LW
	Topic 2.2. Basic principles of organization of dental care to the population. Organization of the work of the dental clinic.	LW
	Topic 2.3. Maternal and child health care system. Organization of dental care for children.	LW
	Topic 2.4. Features of the organization of medical (including dental) care for the rural population.	LW
	Topic 2.5. Fundamentals of economics, planning and financing of the dental service.	LW

Course module title	Course module contents (topics)	Academic activities types
	Topic 2.6. Automated information systems in the management of healthcare institutions.	LW
Section 3. Modern problems of maintaining health, disease prevention.	Topic 3.1. Modern problems of disease prevention and public health promotion. Participation of public organizations in the protection of public health.	LW
	Topic 3.2. Family as an object of medical and social research and primary health care.	LW

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)
Seminar	Classroom for seminars, workshops, lab works, group and individual consultations, evaluation and assessment, equipped with a set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector, laptop, projection screen, stable wireless Internet connection. Moscow, Miklukho-Maklaya str., 10, building 2, room 373	A set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector EPSONEB-965, laptop ASUSF9ECore 2 DUOT5750, projection screen, stable wireless Internet connection. Software: Microsoft Windows, MS Office / Office 365, MS Teams, Chrome (latest stable release)
Self-studies	Classroom for self-studies (can be used for seminars, workshops, lab works, group and individual consultations,), equipped with a set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector, laptop, projection screen, stable wireless Internet connection. Moscow, Miklukho-Maklaya str., 10, building 2, room 371	A set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector TOSHIBA X200, laptop ASUSF9ECore 2 DUOT5750, projection screen, stable wireless Internet connection. Software: Microsoft Windows, MS Office / Office 365, MS Teams, Chrome (latest stable release)
Computer Lab	Computer Lab for seminars, workshops, group and individual consultations, evaluation and	A set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	assessment, equipped with a set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector, laptop, 9 sets of computer + system unit, projection screen, stable wireless Internet connection. Moscow, Miklukho-Maklaya str., 10, building 2, room 372	EPSONEB-965, laptop ASUSF9ECore 2 DUOT5750, 9 sets of computer + system unit, projection screen, stable wireless Internet connection. Software: Microsoft Windows, MS Office / Office 365, MS Teams, Chrome (latest stable release)

7. RECOMMENDED SOURSES for COURSE STUDIES

Main readings:

1. Public Health : Study Guide / E.V. Kaverina, A.V. Fomina. - Moscow: RUDN, 2019. - 79 p
2. Public Health and Health care System (supplementary booklet) “slide-guide” / D.I. Kitcha, A.V. Fomina, M.V. Khudaibergenova. – Moscow: Peoples’ Friendship University of Russia, 2011. – 58 p.
3. Workshop on public health and health care [Text]: Study guide / I.N. Denisov [et al.]. – 3rd ed., cor. - M.: Medical Information Agency, 2017. - 461 p.
4. Public Health and Health Care [Electronic resource]: Textbook / V.A. Medic, V.K. Yuriev. - 4nd ed., Corr. and add. - M.: GEOTAR-Media, 202 – 672 p..
5. Public Health and Health Care [Electronic resource]: Textbook / Yu.P. Lisitsyn, G.E. Ulumbekov. - 3rd ed., Corr. and add. - M.: GEOTAR-Media, 2013. - 544 p.
6. Knowledge and skills of the Public Health and Public Health System’s curriculum. For IV-VI year medical students and postgraduate students / D. Kitcha, I. Kalmykova, A. Fomina, T.Lyapunova. – Moscow: Peoples’ Friendship University of Russia, 2011. –80 p.

Additional readings:

1. Guidelines for the preparation of graduation (thesis) and term papers / D.I. Kitcha, O.E. Konovalov, A.V. Fomina. - M .: RUDN, 2009. - 93 p.
2. E. Ammenwerth (ed.), M. Rigby (ed.). Evidence-Based Health Informatics - Promoting Safety and Efficiency through Scientific Methods and Ethical Policy [Electronic resource] 2016. 1 c. ISBN 9781614996347 URL: www.ebooks.iospress.nl/isbn/9781614996354
3. Madeleine Akrich, João Nunes, Florence Paterson, Vololona Rabeharisoa (dir.). The dynamics of patient organizations in Europe [Electronic resource] 2008. 1 c. ISBN 9782356710079 URL: <http://books.openedition.org/pressesmines/1577>
4. Undergraduate Education for Public Health in the United States [Electronic resource] / Connie J Evashwick [et al.]. 2015. 1 c. ISBN 9782889196111 URL:

<http://journal.frontiersin.org/researchtopic/3071/undergraduate-education-for-public-health-in-the-united-states>

5. Law A. Patents and Public Health [Electronic resource] 2009. 1 c. ISBN 9783845212654 URL: <https://www.nomos-elibrary.de/10.5771/9783845212654>
6. Kyriakos Souliotis, Mihajlo (Michael) Jakovljevic, Wim Groot. Health Care Financing and Affordability in the Emerging Global Markets [Electronic resource] 2016. 1 c. ISBN 9782889198375 URL: <http://journal.frontiersin.org/researchtopic/3696/health-care-financing-and-affordability-in-the-emerging-global-markets>
7. Aslak Tveito, Glenn T. Lines. Making Medicines in Africa: The Political Economy of Industrializing for Local Health [Electronic resource] 2016. 1 c. ISBN 9783319300290 URL: <http://www.oapen.org/download/?type=document&docid=1001880>
8. Jerry Cromwell, Michael Trisolini, Gregory Pope, Janet Mitchell, Leslie Greenwald. Pay for performance in health care: Methods and approaches [Electronic resource] 2011. 1 c. ISBN 9781934831045 URL: <https://www.rti.org/rti-press-publication/pay-performance-health-care>
9. Inaki Gutierrez-Ibarluzea, Irene Lenoir-Wijnkoop, Dominique J. Dubois. Today's Nutrition and Tomorrow's Public Health: Challenges and Opportunities [Electronic resource] 2016. 1 c. ISBN 9782889198184 URL: <http://journal.frontiersin.org/researchtopic/3214/todays-nutrition-and-tomorrows-public-health-challenges-and-opportunities>
10. Pioneering Healthcare Law [Electronic resource] / Mullock A. [et al.]. 2016. 1 c. ISBN 9781315716107 URL: <http://www.oapen.org/view?docId=593991.nxml>
11. Triberti S., Graffigna, Guendalina , Barello, Serena . Patient Engagement. A Consumer-Centered Model to Innovate Healthcare [Electronic resource] 2015. 1 c. ISBN 9783110452440 URL: <https://doi.org/10.1515/9783110452440>
12. Health For All [Electronic resource] / Bhattacharya S. [at al.]. 2015. 1 c. ISBN 9788125059004 URL: <http://www.oapen.org/download/?type=document&docid=576912>

Internet-(based) sources

1. Electronic libraries with access for RUDN students
 - Electronic Library System (ELS) of the RUDN University <http://lib.rudn.ru/MegaPro/Web>
 - ELS "University Library Online" <http://www.biblioclub.ru>
 - ELS Jurait <http://www.biblio-online.ru>
 - ELS «Student consultant» www.studentlibrary.ru
 - ELS «Lan» <http://e.lanbook.com/>
2. Databases and search engines:
 - electronic fund of legal and regulatory technical documentation <http://docs.cntd.ru/>
 - Yandex search engines <https://www.yandex.ru/>
 - Google search engine <https://www.google.com/>
 - reference database SCOPUS <http://www.elsevierscience.ru/products/scopus/>
 - WHO documentation center <http://whodc.mednet.ru/>
 - Springer <https://rd.springer.com/>

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

1. The set of lectures on the course “Public health and healthcare”

* 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 (GC -7.1; GC -7.2; GC -7.3; SPC-5.1; SPC-5.2; SPC-7.1; SPC-7.2; SPC-7.3; SPC-7.4; SPC-7.5) 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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name and surname

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