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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

SURGICAL DISEASES

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

1. COURSE GOAL(s)

The goal of the course “Surgical Diseases” is to equip students with the knowledge necessary to diagnose basic diseases studied in the course of surgical diseases.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) “Surgical Diseases” is aimed at the development of the following competences /competences in part: GPC-5, GPC-6, GPC-7.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-5	Being able to examine patients to determine a diagnosis when solving professional tasks	GPC-5.1.Gathering anamnesis by analyzing the patient’s complaints, making a physical examination at a dental appointment.
		GPC-5.2.Formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of a dental patient.
		GPC-5.3.Compiling medical documentation for a patient in accordance with regulatory requirements.
GPC-6	Being able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks	GPC-6.1.Developing a plan for dental disease treatment taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the medical care standards.
		GPC-6.2.Selecting medical products (including dental materials) for drawing up a comprehensive plan for dental disease treatment. Following up the treatment of a patient.
		GPC-6.3.Assessing the possible side effects of taking medicinal drugs.
GPC-7	Being able to organize work and take professional decisions in case of emergency conditions, amid emergencies, epidemics, and in the foci of mass destruction	GPC-7.1.Being able to use the algorithm for providing first aid in emergency conditions, including in extreme conditions and foci of mass destruction.
		GPC-7.2. Identifying conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and acute respiratory failure.
		GPC-7.3.Providing emergency medical care to patients with conditions that pose a threat to the patient’s life, including clinical death (cessation of the vital organs functions(blood circulation and (or) breathing).

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*
GPC-5	Being able to examine patients to determine a diagnosis when solving professional tasks	Radiation diagnostics Propaedeutic of internal diseases General surgery	Internal diseases Emergency Medicine Internal diseases
GPC-6	Being able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks	Radiation diagnostics Propaedeutic of internal diseases General surgery	Internal diseases Emergency Medicine Internal diseases
GPC-7	Being able to organize work and take professional decisions in case of emergency conditions, amid emergencies, epidemics, and in the foci of mass destruction	Radiation diagnostics Propaedeutic of internal diseases General surgery	Internal diseases Emergency Medicine Internal diseases

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course is 3 credits (108 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
		6
<i>Contact academic hours</i>	54	54
including:	-	-
Lectures (LC)	-	-
Lab work (LW)	54	54
Seminars (workshops/tutorials) (S)	-	-
<i>Self-studies</i>	36	45
<i>Evaluation and assessment (exam/passing/failing grade)</i>	18	9
Course workload	academic hours_	108
	credits	3

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Specific questions	Appendicitis	LW
	Hernias	LW
	Cholecystitis. Diagnostics. Treatment. Complications.	LW
	Acute pancreatitis.	LW
	Chronic pancreatitis.	LW
	Liver diseases.	LW
	Mechanical jaundice.	LW
	Diseases of the arteries.	LW
	Diseases of peripheral veins.	LW
	Peptic ulcer of the stomach and 12-duodenum.	LW
	Complications of gastric ulcer.	LW

	Diseases of the esophagus. Stomach cancer.	LW
	Diseases of the small intestine.	LW
	Diseases of the colon.	LW
	Diseases of the rectum	LW
	Intestinal obstruction. Peritonitis.	LW
	Diseases of the thyroid gland.	LW
	Breast diseases.	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	A classroom for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations.	Software: Microsoft products (OS, office suite, including MSOffice/Office 365), laptops, multimedia projectors. Surgery videos. Digital versions of lectures and seminars on surgery, video materials from foreign surgical clinics, handouts in the form of tests, posters, methodological publications.
Lab-work	A classroom for conducting seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and	Software: Microsoft products (OS, office suite, including MSOffice/Office 365), laptops, multimedia projectors. Surgery videos. Digital versions of lectures and seminars on surgery, video materials from foreign surgical clinics, handouts in the form of tests, posters, methodological publications.

	technical means for multimedia presentations.	
Self-studies	A classroom for students' independent work (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIOS.	Software: Microsoft products (OS, office suite, including MSOffice/Office 365), laptops, multimedia projectors. Surgery videos. Digital versions of lectures and seminars on surgery, video materials from foreign surgical clinics, handouts in the form of tests, posters, methodological publications.

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Kuzin M.I., Kuzin N.M., Kubyshkin V.A. etc. Surgical diseases. - 5th ed., revised. and additional – M.: GEOTAR-Media, 2020.- 1024 p.: ill. Textbook Vulture of the Ministry of Health of the Russian Federation
2. Manual of surgery, Alexis Thomson, sixth edition revised
3. Oxford assess and progress clinical surgery
4. Edited by Savelyev V.S., Kirienko A.I. Surgical diseases. –M.: GEOTAR-MEDIA, 2017-720s., 2 volumes. Textbook
4. Pautkin Yu.F. Klimov A.E. Pogasov A.G. Practice of students in the surgical clinic. - M.: I-vo RUDN University, 2011. Textbook

Additional readings:

1. Fedorov A.G., Davydova S.V., Ivanov V.A., Klimov A.E. Acute pancreatitis. Pancreatic necrosis. Tutorial. M. 2021. RUDN University Publishing House.
2. Lebedev N.V., Klimov A.E., Barkhudarov A.A., Klimenko A.S. Acute pancreatitis: Clinic. Diagnostics. Treatment. Tutorial. M. 2021. RUDN University Publishing House.
3. Klimov A.E., Uzoma C.C., Mylnikov A.G., Barkhudarov A.A., Klimenko A.S. Colonic diverticular disease. Tutorial. M. 2022. RUDN University Publishing House.
4. Surgical diseases. Edited by A.F. Chernousov, M.: GEOTAR-Media, 2014
5. I.I. Zatevakhin, A.I. Kirienko, V.A. Kubyshkin, Abdominal surgery. National leadership. - M.: GEOTAR-MEDIA, 2016 - 912s
6. V.S. Savelyev, A.I. Kiriyenko, National Manual "Clinical Surgery" in 3 volumes. - M.: GEOTAR-Media, 2008-2010.
7. Klimov A.E., Barkhudarov A.A., Popov V.S. and others. Collection of test tasks in the discipline "Faculty Surgery". M. 2019. RUDN University Publishing House.
8. Shine M., Rogers P., Assalia A. "Common sense in emergency abdominal surgery, 3rd edition, Russian Surzhinet, 2015, 651 p.
9. A.I. Kirienko, A.M. Chernyavsky, V.V. Andriyashkin (ed.) "Pulmonary embolism: how to treat and prevent." - M.: MIA, 2015.
10. A.I. Kirienko, E.P. Panchenko, V.V. Andriyashkin "Venous thrombosis in the practice of a therapist and surgeon." - M.: PLANIDA, 2012.

Database, information and referral systems and search systems.

1. TEIS - Telecommunication educational and information system.

<http://esystem.rudn.ru/>

2. ELS of RUDN University and third-party ELS, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>

- ELS "University Library Online" <http://www.biblioclub.ru>

- EBS Yurayt <http://www.biblio-online.ru>

- ELS "Student Consultant" www.studentlibrary.ru

- EBS "Lan" <http://e.lanbook.com/>

3. Gastrointestinal endoscopy portal.

The portal contains constantly updated videos, reports, articles, reports on diagnostic and operative endoscopy; there is an extensive selection of links to Internet resources on endoscopy, gastroenterology, search engines for access to medical journals.

<http://www.gi-endo.ru/>

4. Website ENDOSCOPY.RU.

A website where you can find complete and professional information about modern achievements, possibilities and prospects of diagnostic and therapeutic endoscopy. Of particular interest is the subsection "Methodological recommendations".

<http://www.endoscopy.ru/>

5. Medical portal MedUniver.

The portal contains a medical photo atlas, videos on various branches of medicine, and a medical electronic library.

<http://meduniver.com/>

6. Portal about surgery.

Contains materials on the most common surgical diseases (clinic, diagnosis and treatment).

<http://www.hyurg.com/>

7. Medical video portal.

The site contains video recordings of lectures from leading Russian medical universities; surgical operations with comments; presentations at scientific medical congresses and conferences; three-dimensional animated videos that clearly demonstrate the work of various organs and systems; educational materials on fundamental sciences; directory of medical sites; a forum for the exchange of views; information about medical institutions.

<http://www.med-edu.ru/>

8. Medline catalog.

The founder of "Medline" is the National Library of Medicine USA. Medline is the largest open database of medical information in the world, Medline's catalog includes more than 75% of all world medical publications. MedLine contains all the articles collected in the three main medical reference books: InternationalNursingIndex, IndexMedicus, Index to DentalLiterature.

<http://www.medline-catalog.ru/>

9. Biomedical journal Medline.ru.

The site contains original articles on various branches of medicine. <http://www.medline.ru>

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

1. The set of lectures on the course "Surgical diseases"
2. The laboratory workshop (if any).on the course "Surgical diseases"
3. The guidelines for writing a course paper / project (if any) on the course "Surgical diseases".
4.

* 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 (GPC-5, GPC-6, GPC-7) 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).

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