Federal State Autonomous Educational Institution of Higher Education

PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA

NAMED AFTER PATRICE LUMUMBA

RUDN University

Institute of Medicine

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

COURSE SYLLABUS

INTODUCTION TO THE SPECIALTY

(Subject / Course title)

Recommended by the Didactic Council for the Education Field of (Linguistics):

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

2024-2025

1. COURSE GOAL(s)

The goal of the course is to develop of students' personal qualities, as well as the formation of general professional and professional competencies in accordance with the requirements of the Federal State Educational Standard for Higher Education in the field of Dentistry in the discipline "*Introduction to the specialty*".

2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the course (module) "Introduction to the specialty" is aimed at the development of the following competences /competences in part: GPC – 1 (1.1).

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC - 1.	The ability to implement moral and legal norms, ethical and deontological principles in professional activity.	GPC -1.1. Compliance with the fundamentals of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity.

3.COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the <u>core</u>/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 - 1.	The ability to implement moral and legal norms, ethical and deontological principles in professional activity.		ALL dental clinical disciplines.

* To be filled in according to the competence matrix of the higher education programme.

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course "Introduction to the specialty" is 2 credits (72 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				
			1				
Contact academic hours							
including:							
Lectures (LC)		17	17				
Lab work (LW)							
Seminars (workshops/tutorials) (S)		17	17				
Self-studies		_23_	_23_				
Evaluation and assessment (exam/passing/failing grade)		_15_	_15_				
Course workload	academic hours_	72	72				
	credits	2	2				

5. THE CONTENT OF THE DISCIPLINE

Table 5.1. The content of the discipline (module) by type of academic work.

Course module title	Course module contents (topics)	Academic activities types
Section 1. Introduction to dentistry. The structure of the specialty dentistry.	Topic 1. Introduction to the specialty of dentistry. The history of the development of dentistry.	LC, S
	Topic 2. The structure of the specialty dentistry. Ethics and deontology in dentistry.	LC, S
Section 2. Ergonomics of dental care. Organization and equipment of a dental clinic.	Topic 3. Organization and equipment of a dental clinic, departments, cabinets, functions, staff. Provision of dental medical care, levels, standards.	LC, S
	Topic 4.	LC, S

	Types of dental institutions by type of ownership. Insurance in dentistry. Medical documentation.	
	Topic 5. Safety rules of working in dentistry. Personal protective equipment at a dental appointment. Radiology. Rules for working with dental equipment.	LC, S
	Topic 6. First aid to victims in case of violation of safety regulations. An occupational injury. The sequence of actions in case of an occupational injury. Anti-aids first aid kit.	LC, S
	Topic 7. Equipment. Procedures and standards for equipping premises. Dental cabinets of all profiles.	LC, S
	Topic 8. Dental installations, types of tips, burs. Maintenance of the equipment. Ergonomics of working on dental installations in 4 hands.	LC, S
	Topic 9. Dental instruments: basic set. Tools for therapeutic dentistry. Tools for restoration. The structure of the tools, their purpose, and the rules of use.	LC, S
	Topic 10. Tools for therapeutic dentistry. The structure of the tools, their purpose, and the rules of use. Burs.	LC, S
	Topic 11. Periodontal instruments. Instruments for surgical dentistry. The structure of the tools, their purpose, and the rules of use.	LC, S
	Topic 12. Tools for orthopedic dentistry. The structure of the tools, their purpose, and the rules of use.	LC, S
Section 3. Disinfection and sterilization in dentistry. **SanPiN 2.4.2.2821-10.**	Topic 13. Disinfection and sterilization in dentistry.	LC, S
	Topic 14. Types of disinfection	LC, S
	Topic 15 .	LC, S

	Sterilization. Classification of tools depending on the type of processing.	
	Topic 16. Types of waste.	LC, S
	Topic 17. The final lesson. A test class.	Test control, job interview

* - to be filled in only for **full** -time training: *LC - lectures; LW - lab work; S - seminars.*

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	The lecture-type classroom (№204) is equipped with a set of specialized furniture; a blackboard (screen) and multimedia presentation equipment.	A set of specialized furniture. *Technical support*: – multimedia projector, – Internet connection. *Software*: – Microsoft products (the operating system, a suite of office applications, including MSOffice/ Office 365, Teams.)
Lab-work	Classrooms are located in buildings: ATI and GUM-SOC. In the ATI building: audiences 249, 250, 251, 252 (the phantom class) и 253. In the GUM-SOC building: audiences 232-235 (the phantom class).	A set of specialized furniture. *Technical support*: Dental simulation units. DLP Optoma H114 Projector. Lenovo Think Centre M71z automated workplace. Laptop Asus X756UVIntel. Projector AcerP1285. Display Elite Screens Spectrum Electric100V. Laptop ASUS X751LDV. Monoblock Dell Optiplex

		3030.
		PC TMO3300 i3 254.
		Polymerization lamps "Woodpecker".
		Control units with a micromotor tip.
		Multimedia projector Sony VPL-C6.
		Electric screen Projecta PSECO001 Elproelectrol 160x160 sm.
		MOULAGES patient's head for phantom work in the package.
		Dental chair with electric drive and programmable position.
		The doctor's units are included.
		Screen 17" BenQ sc.1472.
		The screen is on a tripod Projecta, 180x180.
		Control units of the dental unit for 2 tips and a spray.
		Blocks of tips "DART 1440".
		Models of the upper and lower jaw with an articulator.
		A cupboard for storing sterile instruments.
		Instruments used in therapeutic, orthopedic and surgical dentistry.
		Consumables: gypsum, wax, casts, sealing materials, etc.
		Information stands and expositions:
		– information stand in Russian and English;

		– visual aids, posters, models.
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.	
Self-studies	Classrooms 249, 250, 251, 252, 253 in ATI building. Classrooms 232-235 in GUM-SOC building, Classrooms equipped with a set of specialized furniture and computers with access to EIOS. Halls. The scientific library in the Main building of the RUDN..	

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Boyd, L. R. (б.д.). 2. Получено из Dental Instruments: http://dentalbooks-drbassam.blogspot.com

2. Shillingburg, H. T. (2012). *Fundamentals of Fixed Prosthodontics*. (L. Huffman, Редактор) Получено из www.quintpub.com

Additional readings:

3. B. Suresh Chandrs, V. (2014). *Grossman's Endodontic practice* (изд. 13). Chennai, India: Wolters Kluwer Health.

4. Hospital, C. F. (2009). *Advanced Endodontics.* Dharwad, India: R Nageswar Rao.

5. John F. NcCabe, A. W. (2008). Applied Dental Materials. Blackwell Munksgaard.

6. L.a. Morrow, P. B. (2005). *Principles of Operative Dentistry*. Получено из https://www.dentistry.blackwellmunksgaard.com/

7. Roberson, T. M. (2002). *Sturdevant's art and science of operative dentistry* (изд. 4). (P. Rudolph, Ред.) North Carolina: Mosby.

Internet-(based) sources:

1. Electronic libraries with access for RUDN students:

- Electronic library system РУДН – ЭБС РУДН http://lib.rudn.ru/MegaPro/Web

- ELS « University Library Online » http://www.biblioclub.ru

- ELS Yurayt http://www.biblio-online.ru

- ELS «Student's Consultant » www.studentlibrary.ru

- ELS «Lan» http://e.lanbook.com/

- ELS « Troitsky most»

2. Databases and search engines:

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

- the Yandex search engine https://www.yandex.ru/

- the Google search engine https://www.google.ru/

- abstract database SCOPUS http://www.elsevierscience.ru/products/scopus/

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

1. The set of lectures on the course "Introduction to the specialty".
2. The laboratory workshop (if any) on the course "Introduction to the specialty".
3. The guidelines for writing a course paper / project (if any) on the course "Introduction to the specialty".
   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 – 1) 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:

Main lecturer of the Department

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Z.A. Gurieva

position, department	signature	name and surname

HEAD OF THE DEPARTMENT:

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HEAD OF THE HIGHER EDUCATION PROGRAM:

Deputy Director of the Institute of Medicine in the field of Dentistry, Professor		S.N. Razumova
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