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**Federal State Autonomous Educational Institution of Higher Education  
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA  
NAMED AFTER PATRICE LUMUMBA  
RUDN University  
Institute of Medicine**

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

## **COURSE SYLLABUS**

Introduction to the Specialty

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course title

**Recommended by the Didactic Council for the Education Field of:**

31.05.03 Dentistry

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field of studies / speciality code and title

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

Dentistry

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higher education programme profile/specialisation title

**2026 г.**

## 1. COURSE GOAL(s)

The development 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*". The goal of the course "Introduction to the specialty" is to equip students with the knowledge of the professional environment of dentists as well as the formation of general and professional competencies Russian Higher Educational Standard

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «Introduction to the specialty» is aimed at the development of the following competences /competences in part: GPC-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	Student should be able to implement moral and legal norms, ethical and deontological principles in professional activities	GPC-1.1. Observes the basics of medical ethics and deontology; the basics of legislation in the field of health care; legal aspects of medical activity.

## 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 - 1.	The ability to implement moral and legal norms, ethical and deontological principles in professional activity.		ALL dental clinical disciplines.

#### 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			
<i>Contact academic hours</i>		34	34			
<i>including:</i>						
Lectures (LC)		17	17			
Lab work (LW)		-	-			
Seminars (workshops/tutorials) (S)		17	17			
<i>Self-studies</i>		38	38			
<i>Evaluation and assessment (exam/passing/failing grade)</i>		15	15			
<b>Course workload</b>	academic hours	72	72			
	credits	2	2			

#### 5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Module 1. Introduction to Dentistry. Structure dentistry.	Introduction to the specialty of dentistry. History of the development of dentistry.	LC, S
	Structure of dentistry. Ethics and deontology in dentistry.	LC, S
Module 2 Ergonomics of dental clinic. Organization, equipment and	Organization and equipment of the dental clinic, departments, offices, functions, staff. Provision of dental medical care, levels, standards.	LC, S

Course module title	Course module contents (topics)	Academic activities types
equipping of the dental clinic.		
	Types of dental institutions by type of ownership. Insurance in dentistry. Medical records.	LC, S
	Safety rules when working in dentistry. Personal protective equipment at the dental appointment. Radiology. Rules for working with dental equipment.	LC, S
	First aid to victims in case of safety violation. Industrial injury. The sequence of actions in case of industrial injury. First aid kit anti-AIDS.	LC, S
	Equipment. Procedures and standards of equipment of premises. Dental offices of all profiles.	LC, S
	Dental units, types of handpieces, bur. Equipment maintenance. Ergonomics of work on dental units in 4 hands	LC, S
	Dental instruments: the main set. Tools for conservative dentistry. Tools for restorations. Structure of tools, purpose, rules of use.	LC, S
	Tools for conservative dentistry. Structure of tools, purpose, rules of use. Burs.	LC, S
	Periodontal instruments. Instruments for surgical dentistry. Structure of tools, purpose, rules of use.	LC, S
	Instruments for prosthetic dentistry. Structure of tools, purpose, rules of use.	LC, S
Module 3 Disinfection and sterilization in dentistry. <b>SanPin 2.4.2.2821-10.</b>	Disinfection and sterilization in dentistry.	LC, S
	Types of disinfection	LC, S
	Sterilization. Classification of tools depending on the	LC, S

Course module title	Course module contents (topics)	Academic activities types
	type of processing.	
	Types of waste.	LC, S
	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	For lectures (lecture hall № 204 faculty of Russian RF language, equipped with a set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector.	set of specialized furniture.  <b>Technical support:</b> – multimedia projector, – Internet access.  <b>Software:</b> – Microsoft Windows, MS Office / Office 365, MS Teams
Seminar/Lab work	<i>Classrooms are located in : Agrarian and Technological Institute and Faculty of Humanities and Social Sciences.</i>  <i>In ATI: classroom 249, 250, 251, 252 (phantom class) and 253.</i>  <i>In HSS: classroom, 232-235 (phantom class).</i>	Set of specialized furniture.  <b>Technical support:</b> Dental Simulation Units. projector DVPH Optoma H114. Automated workplace LenovoTrinkCentre M71z. Laptop Asus X756UV Intel. Projector Acer P1285. Screen Elite Screens Spectrum Electric100V.

		<p>Laptop ASUS X751LDV.</p> <p>All-in-one Dell Optiplex 3030.</p> <p>Personal computer TMO3300 i3 254.</p> <p>Polymerization lamps "Woodpecker".</p> <p>Control units with micromotor handpiece.</p> <p>Multimedia Projector Sony VPL-C6.</p> <p>Electric screen Projecta PSECO001 Elpro electrol 160x160cm.</p> <p>DUMMIES of the patient's head for phantom works in a complete set.</p> <p>Electrically operated dental chair with programmable position.</p> <p>Doctor's blocks in the configuration.</p> <p>Monitor 17" BenQ сч.1472.</p> <p>Tripod screen Projecta, 180x180.</p> <p>controlled dental unit with 2 handpieces and air syringe handpieces «DARTA 1440».</p> <p>Maxilla and mandible models with articulator.</p> <p>Cabinet for storage of sterile tools.</p> <p>Instruments used in conservative, prosthetic, and surgical dentistry.</p> <p>Supplies: gypsum, wax, casting masses, filling materials, etc.</p> <p><u>Information stands and expositions:</u></p> <p>– information stands in Russian language and English.</p> <p>– visual aids, posters, dummies.</p>
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Computer Lab	Not provided	
Self-studies	Places for self-studies medical institute, ATI, HSS, RF, as well as the halls of the Scientific Library in the Main Building of RUDN University.	

## 7. RESOURCES RECOMMENDED FOR COURSE STUDY

### *Main readings:*

1. Boyd, L. R. (б.д.). 2. Получено из Dental Instruments: <http://dentalbooks-drassam.blogspot.com>
2. Shillingburg, H. T. (2012). *Fundamentals of Fixed Prosthodontics*. (L. Huffman, Редактор) Получено из [www.quintpub.com](http://www.quintpub.com)

### *Additional (optional) reading (sources):*

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. McCabe, 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](http://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/>

*Learning toolkits for self- studies in the RUDN LMS TUIS*

1. A course of lectures and presentations on the discipline "Introduction to the specialty".

№	Lecture topics	Hours
1.	Introduction to the specialty of dentistry. The history of the development of dentistry. The structure of the specialty dentistry. Ethics and deontology in dentistry.	2
2.	Organization and equipment of a dental clinic, departments, cabinets, functions, staff. Provision of dental medical care, levels, standards. Types of dental institutions by type of ownership. Insurance in dentistry. Medical documentation.	2
3.	Safety rules when working in dentistry. Personal protective equipment at a dental appointment. Radiology. Rules for working with dental equipment. 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.	2
4.	Equipment. Procedures and standards for equipping premises. Dental offices of all profiles. Dental installations, types of tips, burs. Maintenance of the equipment. Ergonomics of working on dental installations in 4 hands.	2
5.	Dental instruments: basic set. Tools for therapeutic dentistry. Tools for restoration. The structure of the tools, their purpose, and the rules of use. Tools for therapeutic dentistry. The structure of the tools, their purpose, and the rules of use. Burs.	2
6.	Periodontal instruments. Instruments for surgical dentistry. The structure of the tools, their purpose, and the rules of use. Tools for orthopedic dentistry. The structure of the tools, their purpose, and the rules of use.	2
7.	Disinfection and sterilization in dentistry. Types of disinfection.	2
8.	Sterilization. Classification of tools depending on the type of processing.	2
9.	Types of waste.	2
	<b>In total:</b>	<b>18</b>

2. Educational materials and workbooks on all subjects of the discipline "Introduction to the specialty".

3. Glossary and other educational materials.

Learning toolkits for self- studies in the RUDN LMS TUIS!

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

Evaluation materials and point-rating system\* for assessing the level of competence formation (GPC-1) based on the results of mastering the discipline «Introduction to the specialty» are presented in the Appendix to this Work Program of the discipline.

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  
of Propaedeutics of Dental Diseases,  
Candidate of Medical Sciences

Gurieva Z.A.

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Position, grade

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Signature

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Name

**HEAD OF THE DEPARTMENT:**

Head of the Department of  
Propaedeutics of Dental Diseases,  
Doctor of Medical Sciences.,  
Professor

Razumova S.N.

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Position, grade

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Signature

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Name

**HEAD OF THE HIGHER EDUCATION PROGRAM:**

Deputy Director of the Medical  
Institute, Professor

Razumova S.N.

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Position, grade

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Signature

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Name