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Информация о владельце:  
ФИО: Ястребов Олег Александрович  
Должность: Ректор  
Дата подписания: 25.01.2024 16:58:59  
Уникальный программный ключ:  
ca953a0120d891083f939673078ef1a989dae18a

**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

## 1. COURSE GOAL(S)

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) - (1.1)**.

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

| <b>Competence code</b> | <b>Competence descriptor</b>   | <b>Competence formation indicators (within this course)</b>  |
|------------------------|--|--|
| 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*

| <b>Competence code</b> | <b>Competence descriptor</b>   | <b>Previous courses/modules*</b> | <b>Subsequent courses/modules*</b>  |
|------------------------|--|----------------------------------|---|
| GPC-1.                 | Student should be able to implement moral and legal norms, ethical and deontological principles in professional activities |                                  | Prevention and community dentistry<br>Cariesology Endodontics<br>Gerontostomatology and diseases of the mucous membranes of the oral cavity<br>Periodontology<br>Local anesthesia and anesthesiology in dentistry<br>Surgery of the oral cavity<br>Gnathology and functional diagnostics of TMJ<br>Dental prosthetics (simple prosthetics)<br>Prosthetics in the complete absence of teeth<br>Dental prosthetics (complex |

|  |  |  |  |
|--|--|--|--|
|  |  |  | prosthetics Maxillofacial and gnathic surgery<br>, Pediatric Dentistry<br>Minimally invasive technologies in dentistry<br>Implantology and reconstructive surgery of the oral cavity<br>dental oncology and radiation therapy<br>Physiotherapy stomat. Diseases<br>Clinical Dentistry<br>Genetics in dentistry<br>Medical rehabilitation |
|--|--|--|--|

#### 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> |                      |                            |    |  |  |
| <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 equipping of the | Organization and equipment of the dental clinic, departments, offices, functions, staff. Provision of dental medical care, levels, standards. | LC, S                     |

| <b>Course module title</b>  | <b>Course module contents (topics)</b>   | <b>Academic activities types</b> |
|---|--|----------------------------------|
| 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. SanPin 2.4.2.2821-10. | Disinfection and sterilization in dentistry.   | LC, S                            |
|   | Types of disinfection  | LC, S                            |
|   | Sterilization. Classification of tools depending on the type of processing.  | LC, S                            |
|   | Types of waste.  | LC, S                            |
|   | Final class. Test lesson.  | Test, 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*

| <b>Type of academic activities</b> | <b>Classroom equipment</b> | <b>Specialised educational / laboratory equipment, software, and materials for</b> |
|------------------------------------|----------------------------|--|
|------------------------------------|----------------------------|--|

|         |  | <b>course study</b><br>(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.<br><br><i>Technical support:</i><br>– multimedia projector,<br>– Internet access.<br><br><i>Software:</i><br>– Microsoft Windows, MS Office / Office 365, MS Teams  |
| Seminar | Classrooms are located in :<br>Agrarian and Technological Institute and Faculty of Humanities and Social Sciences.<br><br>In ATI: classroom 249, 250, 251, 252 (phantom class) and 253.<br><br>In HSS: classroom, 232-235 (phantom class). | Set of specialized furniture.<br><br><i>Technical support:</i><br>Dental Simulation Units.<br>projector DVPH Optoma H114.<br>Automated workplace<br>LenovoTrinkCentre M71z.<br>Laptop Asus X756UV Intel.<br>Projector Acer P1285.<br>Screen Elite Screens Spectrum Electric100V.<br>Laptop ASUS X751LDV.<br>All-in-one Dell Optiplex 3030.<br>Personal computer TMO3300 i3 254.<br>Polymerization lamps "Woodpecker".<br>Control units with micromotor handpiece.<br>Multimedia Projector Sony VPL-C6.<br>Electric screen Projecta PSECO001 Elpro electrol 160x160cm.<br>DUMMIES of the patient's head for phantom works in a complete set.<br>Electrically operated dental |

|              |  |  |
|--------------|--|--|
|              |  | <p>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</p> <p>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> |
| 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. Propaedeutics of dental diseases [Text]: Textbook / S.N. Razumova [and others]; Ed. S.N. Razumova, I.Yu. Lebedenko, S.Yu. Ivanova. - M. : GEOTAR-Media, 2019. - 336 p. : ill. - ISBN 978-5-9704-4932-5 : 1350.00.

### *2. Additional readings:*

1. Surgical dentistry [Electronic resource]: Workbook for independent work of a student in the discipline "Propaedeutics of dental diseases", specialty "Dentistry" / Comp. S.N. Razumova and others; ed. S.N. Razumova. - Electronic text data. - M.: Publishing House of RUDN University,

2019. - 92 p. : ill. - ISBN 978-5-209-08950-6.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=481518&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=481518&idb=0)
2. Orthopedic dentistry [Electronic resource]: Workbook for independent work of a student in the discipline "Propaedeutics of dental diseases", specialty "Dentistry" / Comp. S.N. Razumova and others; ed. S.N. Razumova. - Electronic text data. - M.: Publishing House of RUDN University, 2019. - 60 p. : ill. - ISBN 978-5-209-08953-7.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=481517&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=481517&idb=0)
3. Surgical dentistry [Electronic resource]: Workbook for independent work of a student in the discipline "Propaedeutics of dental diseases", specialty "Dentistry" / Comp. S.N. Razumova and others; ed. S.N. Razumova. - Electronic text data. -M: Publishing House of RUDN University, 2018. - 88 p. : ill. - ISBN 978-5-209-08611-6.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=470357&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=470357&idb=0)
4. Orthopedic dentistry [Electronic resource]: Workbook for independent work of a student in the discipline "Propaedeutics of dental diseases", specialty "Dentistry" / Comp. S.N. Razumova and others; ed. S.N. Razumova. - Electronic text data. - M. : Publishing House of RUDN University, 2018. - 58 p.: ill. - ISBN 978-5-209-08612-3.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=470376&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=470376&idb=0)
5. Endodontics [Electronic resource]: Workbook for independent work of a student in the discipline "Propaedeutics of dental diseases", specialty "Dentistry" / Comp. S.N. Razumova and others; ed. S.N. Razumova. - Electronic text data. - M.: Publishing House of RUDN University, 2017. - 54 p. : ill. - ISBN 978-5-209-08506-5.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=470504&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=470504&idb=0)
6. Cariesology [Electronic resource]: Workbook for independent work of a student in the discipline "Propaedeutics of dental diseases", specialty "Dentistry" / Comp. S.N. Razumova and others; ed. S.N. Razumova. - Electronic text data. - M.: Publishing House of RUDN University, 2017. - 70 p. : ill. - ISBN 978-5-209-08506-5.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=470503&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=470503&idb=0)
7. Bazikyan Ernest Aramovich. Dental instruments [Electronic resource]: Atlas / E.A. Bazikyan. - 3rd ed., erased. - M.: GEOTAR-Media, 2017. - 168 p. - ISBN 978-5-9704-40490.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=475826&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=475826&idb=0)
8. Bazikyan Ernest Aramovich. Endodontics [Electronic resource]: Textbook / E.A. Bazikyan, L.V. Volchkova, G.I. Lukin; Under the general editorship. prof. E.A. Bazikyan. - M. : GEOTAR-Media, 2016. - 160 p. - ISBN 978-5-9704-3557-1.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=475865&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=475865&idb=0)
9. Propaedeutic dentistry [Electronic resource]: Textbook / Bazikyan E.A. and etc; Ed. E.A. Bazikyan, O.O. Yanushevich. - 2nd ed., revised. and additional - M. : GEOTAR-Media, 2016.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=464673&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=464673&idb=0)
10. Bazikyan Ernest Aramovich. Tooth extraction operation [Electronic resource]: Study guide / E.A. Bazikyan. - M. : GEOTAR-Media, 2016. - 144 p. - ISBN 978-5-9704-3558-8.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=475654&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=475654&idb=0)
11. Local anesthesia in dentistry [Electronic resource]: Textbook for university students / E.A. Bazikyan [and others]; Ed. E. A. Bazikyan. - M. : GEOTAR-Media, 2016. - ISBN ISBN 978-5-9704-3603-5.
12. Accounting card of the student's practical work [Electronic resource] : Teaching aid / Comp. V.S. Bulgakov, S.N. Razumova, A.E. Anurova. - Electronic text data. - M. : Publishing House of RUDN University, 2015. - 12 p. : ill. - ISBN 978-5-209-05583-9.  
[http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn\\_FindDoc&id=445220&idb=0](http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=445220&idb=0)
13. SanPiN 2.1.3.2630-10 for medical institutions in 2020  
<https://yandex.ru/turbo/buildingclub.ru/s/sanpin-2-1-3-2630-10-dlya-medicinskih-uchrezh/>
- These books are available at the library of RUDN and at the department

### 7.3. *Internet-(based) sources*»

|  |  |
|--|--|
| Resource<br>PEOPLES' FRIENDSHIP UNIVERSITY OF<br>RUSSIA<br>Electronic libraries with access for RUDN students  | site<br><a href="http://web-local.rudn.ru/web-local/kaf/rj/index.php?id=93">http://web-local.rudn.ru/web-local/kaf/rj/index.php?id=93</a><br><a href="http://lib.rudn.ru/MegaPro/Web">http://lib.rudn.ru/MegaPro/Web</a> |
| Telecommunication Training and Information System (TTIS)<br>Online university library<br>Electronic library WellcomeLibrary                            | <a href="http://esystem.pfur.ru">http://esystem.pfur.ru</a><br><a href="http://www.biblioclub.ru">http://www.biblioclub.ru</a><br><a href="https://wellcomecollection.org/">https://wellcomecollection.org/</a>          |
| Consilium Medicum [electronic resource]: database / "Consilium Medicum". - РФ, 1999. - for educational and scientific activities                       | <a href="http://con-med.ru/">http://con-med.ru/</a>  |
| Electronic libraries Russian state library<br>Electronic library for textbooks<br>Scientific electronic library  | <a href="http://www.rsl.ru/">http://www.rsl.ru/</a><br><a href="http://studentam.net/">http://studentam.net/</a><br><a href="http://elibrary.ru/defaultx.asp">http://elibrary.ru/defaultx.asp</a>                        |
| Bentham Sciences [Электронный ресурс]: Database / Bentham Science Publishers. - United Arab Emirates. – electronic resources for scientific activities | <a href="http://www.benthamscience.com">http://www.benthamscience.com</a>  |
| European electronic library Europeana  | <a href="http://www.europeana.eu/portal/">http://www.europeana.eu/portal/</a>  |

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

1. The set of lectures on the course “Introduction to the specialty”

\* 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 - 1.1) 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:**

Senior Lecturer of the Department of  
Propedeutics  
of dental diseases

A.S. Manvelyan

\_\_\_\_\_  
position, department

\_\_\_\_\_  
signature

\_\_\_\_\_  
name and surname

Assistant of the Department of  
Propedeutics  
of dental diseases

Z.A. Guryeva

\_\_\_\_\_  
position, department

\_\_\_\_\_  
signature

\_\_\_\_\_  
name and surname

Head of the department of dental  
propedeutics

S.N.Razumova

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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position, department

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signature

---

name and surname

**HEAD OF EDUCATIONAL DEPARTMENT:**

Head of the department of dental

propedeutics

S.N.Razumova

---

name of department

---

signature

---

name and surname

**HEAD**

**OF HIGHER EDUCATION PROGRAMME:**

Deputy Director MI, professor

S.N.Razumova

---

position, department

---

signature

---

name and surname