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

PROSTHODONTICS (COMPLEX PROSTHETICS)
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

2023-2024

1. COURSE GOAL(s)

. The goal of the course **«Prosthodontics – Complex Prosthetics»** is to equip students with the knowledge of orthopedic stage of the complex treatment of patients with diseases of the dental system, taking into account the individual characteristics of the course of the disease and the age of the patient.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) **«Prosthodontics – Complex Prosthetics»** is aimed at the development of the following competences /competences in part: **GC-1, GPC-5, GPC-6, PC-1, PC-5, PC-6 .**

Competence code	**Competence descriptor**	**Competence formation indicators** (within this course)
GC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	**GC-1.1.** Students should be able analysing the problem situation as a system identifying its components and links between them.
GPC-5	Being able to examine patients to determine a diagnosis when solving professional tasks	GPC-5.1. Gathering anamnesis by analysing 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 dental patient in accordance with regulatory requirements.
		GPC-5.8. Conducting differential diagnosis with other diseases/conditions, including the urgent ones.
		GPC-5.9. Making a diagnosis based on the current international statistical classification of diseases and health problems.
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.

Competence code	Competence descriptor	Competence formation indicators (within this course)
		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
PC-1	Being able to make an examination of a patient in order to determine a diagnosis.	PC-1.1. Making an initial examination and/or reexamination of a patient in order to make a preliminary diagnosis.
		PC-1.2. Receiving information from patients (their relatives/legal representatives); conducting a questionnaire survey of patients regarding their general health status; identifying concomitant diseases in order to make a preliminary diagnosis.
		PC-1.3. Detecting if patients have dentoalveolar, facial anomalies, deformities and prerequisites for their development, defects in the crowns of teeth and dentition on the basis of the patient examination; laboratory, instrumental, and additional examinations in order to make a preliminary/final diagnosis.
		PC-1.4. Detecting if patients have risk factors for oncopathology (including various background processes, precancerous conditions) based on laboratory, instrumental and additional examinations in order to make a preliminary/final diagnosis.
		PC-1.5. Making a preliminary/final diagnosis based on the patient examination; laboratory and instrumental examinations.
PC-2	Being able to prescribe, monitor the efficacy and safety of non-drug and drug treatment	PC-2.6. Providing orthopaedic treatment for persons with defects in teeth, dentition within the temporization procedure, rehabilitation of single defects in the dentition, dental prostheses of up to three units (excluding dental implants prosthetics), partial and complete removable laminar denture using modern treatment methods approved for use in medical practice.
PC-6	Being able to analyze and present in public medical information	PC-2.6. Providing orthopaedic treatment for persons with defects in teeth, dentition within the temporization procedure,

Competence code	Competence descriptor	Competence formation indicators (within this course)
	based on evidence-based medicine, participate in scientific research, introduce new methods and techniques aimed at protecting public health	rehabilitation of single defects in the dentition, dental prostheses of up to three units (excluding dental implants prosthetics), partial and complete removable laminar denture using modern treatment methods approved for use in medical practice. PC-6.1. Searching for medical information based on evidence-based medicine, interpreting data from scientific publications and/or preparing a presentation to make medical information, the results of scientific research public.

3. THE COURSE IN THE HIGHER EDUCATION PROGRAMME STRUCTURE

The course **«Prosthodontics – Complex Prosthetics»** refers to the refers to the basic part of section 1 of the curriculum of the EP HE.

Within the framework of the Educational Program, students also master other disciplines and/or practices that contribute to expected learning outcomes of the course «**«Prosthodontics – Complex Prosthetics»** ».

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-1. Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	Cariology and Diseases of tooth hard tissues Prosthetics (simple prosthetics)	Gnathology and Temporo-Mandibular Joint's Functional diagnosis Prosthodontics (complex prosthetics)
	GPC 5 Being able to examine patients to determine a diagnosis when solving professional tasks	Cariology and Diseases of tooth hard tissues Prosthetics (simple prosthetics)	Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Complex Prosthetics)
	GPC 6 Being able to prescribe non-drug and drug treatment, monitor its efficacy and safety when solving professional tasks	Cariology and Diseases of tooth hard tissues Prosthetics (simple prosthetics)	Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Complex Prosthetics)

	PC-1. Being able to make an examination of a patient in order to determine a diagnosis.	Cariology and Diseases of tooth hard tissues Prosthetics (simple prosthetics) Propedeutics of dental diseases	Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Complex Prosthetics)
	PC-2. Being able to prescribe, monitor the efficacy and safety of non-drug and drug treatment	Cariology and Diseases of tooth hard tissues Prosthetics (simple prosthetics) Propedeutics of dental diseases	Gnathology and Temporo-Mandibular Joint's Functional Diagnostics Prosthodontics (Complex Prosthetics)
	PC-6. Being able to analyze and present in public medical information based on evidence-based medicine, participate in scientific research, introduce new methods and techniques aimed at protecting public health	Cariology and Diseases of tooth hard tissues Prosthetics (simple prosthetics) Propedeutics of dental diseases	

* 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 is 8 credits (288 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			
			7	8	9	
Contact academic hours		**179**	**72**	**72**	**144**	
including:						
Lectures (LC)						
Lab work (LW)		**179**	**48**	**51**	**80**	
Seminars (workshops/tutorials) (S)						
Self-studies		*109*	24	21	64	
Evaluation and assessment (exam/passing/failing grade)						
Course workload	academic hours_	**288**	**72**	**72**	**144**	
	credits	**8**	**2**	**2**	**4**	

* 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
Module 1 Replacement of defects of dentition with fixed orthopedic structures (VII semester)	Partial absence of teeth. Survey methods. The rationale for the use of dental bridges. Indications and contraindications for use. Criteria for selecting the number of abutment teeth. Types of dental bridges. Clinical and laboratory stages of orthopedic treatment with dental bridges. Features of preparation of abutment teeth in the manufacture of dental bridges [DB]. Criteria and methods for assessing the quality of preparation of abutment teeth of DB. Methods of obtaining impressions in the orthopedic treatment of DB and their quality criteria. The method of determining the central occlusion and the central ratio of the jaws in the orthopedic treatment of patients with partial absence of teeth with bridges. Laboratory stages of the manufacture of bridges of various materials. Quality criteria for the manufacture of support elements and the body of the bridge. Types of the	LW

Course module title	Course module contents (topics)	Academic activities types
	intermediate part of the dental bridge and clinical requirements for it. Temporary prosthetics in the orthopedic treatment with dental bridges. Fitting and fixing of DB. Quality criteria for orthopedic treatment by DB. Rules for the care of bridges	
Module 2 Replacement of defects of dentition with removable orthopedic structures	Features of the examination of patients with partial absence of teeth at planning orthopedic treatment with removable dentures. Clinical and functional methods of assessing prosthetic bed tissues: compliance and pain sensitivity of the mucous membrane of the edentulous alveolar crest. Indications and contraindications to the usage of removable dentures. Types of removable dentures with partial absence of teeth. Clinical and laboratory stages of orthopedic treatment with removable dentures. Laminar dentures replacing partial defects of the dentition and their structural elements [LD]. The boundaries of the LD basis at a different size and topography of defects of the dentition in the upper and lower jaws. Methods of obtaining impressions in the orthopedic treatment of patients with LD depending on the state of the prosthetic bed. Methods of fixation of LD. Denture clasper types and their elements. The concept of "denture clasper line": types, indications for use. Selection of the number and topography of teeth for fixing LD. Artificial teeth of removable dentures and their types. Rules for the selection of artificial teeth for LD. Clinical references for setting teeth for LD. Setting teeth "on the inlet". The clinical phase of testing LD design. Quality criteria. Clasp dental prosthesis [CDP] indications for usage and their main structural elements. The usage of parallelometry in the design of CDP. Clinical and laboratory stages of CDP manufacturing.	LW

Course module title	Course module contents (topics)	Academic activities types
	Methods of fitting and imposition of LD and CDP. Quality criteria for prostheses. Rules for the usage and taking care of LD and CDP. Instructions for the patient. Correction of removable dentures. Control of congruence of the basis of the prosthetic bed. Types and methods of repairing LD. Types and methods of relocation of LD and CDP.	

Module 3 Orthopedic treatment (VIII focal parodontitis with partial loss of teeth. Fixed and removable types of semester)	Parodontium diseases. Classification. Methods of examination of patients with parodontitis in the clinic of orthopedic dentistry. Diagnostics. 2. Etiopathogenetic role of traumatic occlusion in parodontium disease. Primary and secondary traumatic occlusion (direct and reflected traumatic nodes according to V.Y.Kurlyandsky), differential diagnostics. General principles of orthopedic methods in the complex treatment of patients with parodontium disease. Stages of orthodontic and orthopedic treatment of patients with traumatic occlusion. Temporary splinting and selective grinding of teeth as the first (alternative to orthodontic) treatment of patients with traumatic occlusion. Temporary splinting at the stages of complex treatment of parodontium diseases. 3. Indications for extraction and preservation of teeth in parodontium diseases. Immediate dentures, indications for this method of treatment, clinical and laboratory stages of the manufacture of immediate dentures, the rules for the management of the patient with the immediate denture. 4. Biomechanical basis of teeth splinting for parodontitis. Types of splinting. Criteria for the inclusion of teeth in the tire. Requirements for permanent splints in the complex treatment of patients with parodontitis. Parallelometry technique in the manufacture of splinting machines and prostheses. Parodontium diseases. 5. Features of the orthopedic stage of complex treatment for patients with 6. Features of the orthopedic stage of complex treatment of patients with generalized parodontitis with partial loss of teeth. The usage of permanent splinting machines and prostheses. Justification of the choice of design features for splints and prosthetic splints. 7. The method of manufacturing whole piece removable splints and prosthetic splints used in the treatment of parodontal diseases. 8. Features of the usage of permanent splinting machines, prostheses at generalized	LW

	parodontitis and preserved tooth rows. Justification of the choice of design features and types of splints. 9. Orthopedic treatment of generalized parodontitis in the partial absence of teeth with clasp dental prostheses. Indications for use. Constructive elements, their purpose and location in accordance to the tissues of the prosthetic bed. Structural and auxiliary materials used in the	

Course module title	Course module contents (topics)	Academic activities types
Module 4 Orthopedic treatment of patients with excessive attrition of hard dental tissues (IX semester)	Increased abrasion of hard dental tissues: etiology, pathogenesis, classification. Principles of orthopedic treatment of patients with excessive teeth attrition: features of the structures used construction materials, stages of treatment and rehabilitation. 2. Orthopedic treatment of patients with a localized form of excessive attrition (compensated and decompensated forms). Clinic, pathogenesis, differential diagnosis, types of orthopedic structures, stages of treatment. Orthopedic treatment of patients with a generalized form of excessive attrition of hard dental tissues. Methods for determining the "constructive occlusion": the height of the lower part of the face, the central position of the lower jaw.	LW
Module 5 Deformations and anomalies of dentition and occlusion	Deformations and anomalies of the dentition and occlusion. Etiology. Pathogenesis. Classification. Methods of examination in the clinic of orthopedic dentistry. Deformations and anomalies of the dentition and occlusion. The clinic, orthopedic treatment methods, the preventive value of timely prosthetics of teeth and dentition.	LW
Module 6 Orthopedic treatment of patients with dentures based on implants	Indications and contraindications to the usage of dental prostheses based on implants. Criteria and principles for the selection of patients for orthopedic treatment with implants. Features of the main clinical and laboratory stages for the manufacturing of dental prostheses based on implants: taking impressions, installing abutments, fitting and checking the design of the prostheses, types of fixation of the prostheses (screw and cement), rules for taking care of the prostheses on the implants and patient management.	LW

Course module title	Course module contents (topics)	Academic activities types
Features of orthopedic treatment of patients with somatic diseases. Orthopedic treatment of patients with chronic oral diseases.	Tactics of management of patients with somatic pathology (cardiovascular system diseases, gastrointestinal tract diseases, endocrine pathology, oral cancer, mental illness, infectious diseases (HIV, tuberculosis, candidiasis), chronic diseases of the skin and mucous membrane of the mouth and lips) requiring orthopedic treatment. Features of the choice of construction materials and methods of dental prosthetics. Side effect of dentures. Intolerance to dentures. Diagnostics. Prevention methods.	LW
Phonetic aspects of orthopedic treatment with the usage of removable and fixed dental and dentoalveolar structures	The basics of phonetics and articulation in orthopedic dentistry. Influence of the design features of the bases for removable dentures, the location of the posterior teeth, the height of the crowns, the shape of the palatine surface, the interalveolar distance on impaired sound reproduction. The usage of phonetic tests in orthopedic dentistry when fitting an individual spoon on the edentulous upper jaw, while determining the height of the lower part of the face during physiological rest, the height (length) of the incisors of the upper jaw. The main methods for assessing speech function in orthopedic dentistry. Features of the design for prosthetic obturators for palate defects to eliminate the rhinolalia of the aperta (hyponasal speech) and for intelligibility.	LW
Aesthetic aspects of dental and dentition prosthetics	The main aesthetic proportions of the face, teeth and dentition. Methods for assessing the quality of dentures in an aesthetically significant area: photo and video diagnostics. Current methods for assessing the parameters of color and transparency of teeth. Characteristics of current denture materials for aesthetic constructions. Methods of computer planning for complex dental functional and aesthetic rehabilitation in the smile zone, DSD method, “white and pink” aesthetics. Current methods of diagnostics and orthopedic	LW

Course module title	Course module contents (topics)	Academic activities types
	treatment of patients with dental discoloration. Application of the "Wax-up" and "Mock-up" techniques in aesthetic prosthetics. Computer technologies for the manufacturing of prototypes of dentures. Features of fixation of dentures from the standpoint of aesthetics.	

* - 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)
Lab work	specialized furniture and technical equipment for the presentation of educational information, sets of educational and visual aids, providing thematic illustrations	
Self-studies	specialized furniture and technical equipment for the presentation of educational information, sets of educational and visual aids, providing thematic illustrations	

* The premises for students' self-studies are subject to **MANDATORY** mention

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Orthopedic dentistry [Electronic resource]: Textbook / Ed. I.Yu. Lebedenko, E.S. Kalivrajiyana - M.:
   GEOTAR-Media, 2016. - 640 p. - ISBN 978-5-9704-3722-3.

2. Dental materials science [Text]: Textbook / E.S. Calivrajian. - M.: Medical Information Agency, 2014. - 320 p. - ISBN 978-5-9986-0147-7: 540.00.

3. Guide to practical exercises on dental prosthetics (complex prosthetics) [Text]: Tutorial / I.Yu. Lebedenko [and others]; Ed. I.Yu. Lebedenko. - M.: Practical medicine, 2014. - 408 p. - ISBN 9785-98811-291-4: 465.00.

4. Denture technology [text]: Textbook for universities / Ed. MM Rasulova, T.I. Ibragimova, I.Yu. Lebedenko,. - M.: MIA, 2005. - 448 p. : il. - ISBN 5-89481-311-5: 320.00.

5. Lebedenko Igor Yulievich. Functional and instrumental methods of research in prosthetic dentistry [Text]: A manual for universities / I.Yu. Lebedenko, T.I. Ibragimov, A.N. Ryakhovsky. - M.: Medical Information Agency, 2003. - 128 p. : il. - ISBN 5-89481-135-X: 260.00.

6. Trezubov V.N. Prosthetic dentistry [Text]: Faculty course: Textbook for universities / V.N. Trezubov, A.S. Shcherbakov, L.M. Mishnev; Ed. VN Trezubov. - 6th ed., Pererab. and add. - SPb. : Folio, 2002. - 576 p. : il. - ISBN 5-93929-047-7: 387.20.

7. Prosthetic dentistry [Text]: Textbook / V.N. Kopeikin [and others]; Ed. V.N. Kopeikina, M.Z. Mirgazizova. - 2nd ed., Ext. - M.: Medicine, 2001. - 624 p. : il. - (Educational literature for students of dental faculties of medical universities). - ISBN 5-225-04598-7: 276.00.

8. Goda Lydia Dmitrievna. Allergic diseases in prosthetic dentistry [Text]: Monograph / LD. Gozhaya. - M.: Medicine, 1988. - 156 p. : il. - ISBN 5-225-00192-0: 0.50.

9. Gavrilov Evgeny Ivanovich. Prosthetic dentistry [Text]: Textbook / E.I. Gavrilov, A.S. Shcherbakov. - 3rd ed. reclaiming and add. - M.: Medicine, 1984. - 576 p. : il. - 1.70.

10. Gavrilov Evgeny Ivanovich. Deformation of the dentition [Text] / E.I. Gavrilov. - M.: Medicine, 1984. - 95 p. : il. - 0.30.

Additional readingы:

1. Mironova M.L. Removable prostheses [Electronic resource]: Textbook / M.L. Mironov. - M.: GEOTARMedia, 2016. - 464 p. - ISBN 978-5-9704-3718-6.

2. Bulgakov Vsevolod Sergeevich. Dental materials science [Electronic resource]: A manual / V.S. Bulgakov. - 3rd ed., Corr. and add. ; Electronic text data. - M .: Publishing house of RUDN, 2016. - 263 p. - ISBN 978-5-209-06992-8.

3. Ryakhovsky A.N. Comparative laboratory study of the results of displaying the margin of preparation of a tooth stump obtained using intraoral scanners [Text] / A.N. Ryakhovsky, V.V. Kostyukova // Dentistry. - 2016. - No т. 95 (5). - P. 39 - 46.

4. Ryakhovskiy A.N. Comparative study of the dimensional accuracy of the display of the stump of a tooth and a complete dental arch, obtained by scanning various intraoral and laboratory scanners [Text] / A.N. Ryakhovsky, V.V. Kostyukova // Dentistry. - 2016. - No т. 95 (4). - p. 65 - 70.

5. Kostyukova V.V. A comparative review of intraoral three-dimensional digital scanners for prosthetic dentistry [text] / V.V. Kostyukova, A.N. Ryakhovsky, M.M. Ukhanov // Dentistry. - 2014. - Nот. 93 (1). - pp. 53 - 59.

6. Shemonaev Viktor Ivanovich. On the issue of intolerance to structural materials in the clinic of prosthetic dentistry [Text / electronic resource] / V.I. Shemonaev, E.I. Gubanova, O.A. Kuznetsova // Bulletin of Peoples' Friendship University of Russia: Medicine. - 2011. - No 2. - p. 94 - 96.

7. Bulgakov Vsevolod Sergeevich. The role of clinical examination to the clinic of prosthetic dentistry in prosthetics using implants / V.S. Bulgakov, T.V. Lukoyanova, I.I. Shakerov // Bulletin of Peoples' Friendship University of Russia: Medicine. - 2010. - No1. - p. 125 - 129.

8. Occlusion. Articulation. Biomechanics in the practice of orthopedic dentistry [Electronic resource]: Teaching aid / Comp. Vs Bulgakov, S.N. Razumov. - Moscow: PFUR Publishing House, 2009. - 35 p. - ISBN 978-5-209-03385-1: 0.00.

9. Examination of the patient in the clinic of orthopedic dentistry. Tests [Text]: Teaching aid / RUDN; Comp. VS Bulgakov, Sh. Kh. Sahakyan. - Moscow: PFUR Publishing House, 2007. - 20 p.

10. Spiridonov Igor Gennadyevich. Manufacturing of metal-ceramic crowns and bridges: Tutorial / IG. Spiridonov, A.S. Ivanov; Ed. A.S.Ivanova. - Veliky Novgorod: NovSU them. Yaroslav the Wise, 2006. - 39 p. : il. - 0.00.

11. Modern impression materials: Practicum / Auto-comp .: GS Shusharina and others - Veliky Novgorod, 2005. - 23 p. : il. - 0.00.

12. Guide to orthopedic dentistry. Prosthetics in the absence of teeth [text]: Textbook for universities / ed. I.Yu. Lebedenko, E.S. Kalivradzhiyan, T.I.Ibrahimova. - M.: MIA, 2005. - 400 p. : il. - ISBN 589481-235-6: 445.45.

13. Bukaev Murat Faizrahmanovich. Construction of fixed bridges based on the study of the stress-strain state of the periodontal and alveolar bone: Tutorial / MF Bukaev. - Vladivostok; Kaliningrad, 2005. - 76 p. : il. - 0.00.

14. Treubov Vladimir Nikolaevich. Prosthetic dentistry. Propaedeutics and the foundations of a private course [Text]: Textbook for universities / V.N. Trezubov, A.S. Shcherbakov, L.M. Mishnev; Ed. VN Trezubov. - 2nd ed., Corr. and add. - SPb. : SpecLit, 2003. - 480 p. : il. - ISBN 5-299-00244-0:
250.00.

15. Zhulev Evgeny Nikolaevich. Fixed prostheses [Text]: Theory, clinic and laboratory equipment / E.N.
Zhulev. - Nizhny Novgorod: Publishing house NGMA, 1995. - 365 p. - ISBN 5-7032-0058-X:
20.00.

16. Prokhonchukov Alexander Alekseevich. Functional diagnostics in dental practice [Text] / A.A. Prokhonchukov, N.K. Loginova, N.A. The Bottom - M.: Medicine, 1980. - 272 p. : il. - (Library of the practical doctor. The most important issues of dentistry). - 0.80.

17. Kurljandskij V.Ju. Atlas of orthopedic stomatology [Text] / V.J. Kurljandskij; Transl. from the Russ. by L.Aksenova. - 2nd print. ; The book is in English. - Moscow: Mir, 1978. - 647 p. : il - 5.66.

18. Guide to prosthetic dentistry [Text] / Pod obsch. ed. A.I. Evdokimova. - M.: Medicine, 1974. - 568 p. : il. - 3.54.

Internet (based) sources

- 1. Electronic libraries with access for RUDN students:
  -Electronic library network of RUDN – ELN RUDN http://lib.rudn.ru/MegaPro/Web
  - ELN «University Library online» http://www.biblioclub.ru
  - ELN Urait http://www.biblio-online.ru
  - ELN «Student Advisor» www.studentlibrary.ru
  - ELN «Lan» http://e.lanbook.com/

- 2. Databases and search engines:
  - electronic fund of legal and regulatory and technical documentation http://docs.cntd.ru/
  - search system Yandex https://www.yandex.ru/
  - search system Google 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 "Prostdontics- complex prosthetics"
2. The laboratory workshop (if any).on the course "Prostdontics- complex prosthetics"
3. The guidelines for writing a course paper / project (if any) on the course "Prostdontics- complex prosthetics".
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 (**GC-1, GPC-5, GPC-6, PC-1, PC-5, PC-6**) 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:

Professor of the Department _____ _____ _____

of prosthetic dentistry		Bykova M. V.
position, department	signature	name and surname

HEAD OF EDUCATIONAL DEPARTMENT:

of Prosthetic Dentistry , Professor		Lebedenko. L.Yu
name of department	signature	name and surname

HEAD
OF HIGHER EDUCATION PROGRAMME:

First Deputy Director of Medical Institute for academic affairs		Razumova S.N
position, department	signature	name and surname