

**Odessa National Medical University  
Faculty of Dentistry  
Department of Orthopedic Dentistry**

**Course syllabus  
«Orthopedic dentistry", including implantology"**

<b>Volume</b>	of 600 hours 20 credits
<b>Semester, year of study</b>	V-X semester (third-fifth years of study)
<b>Days, time, place</b>	The time and place (number of the lecture hall, auditorium) of the discipline is determined according to the approved schedule of classes.
<b>Teacher (s)</b>	Head Department Assoc., Doctor of Medical Sciences Rozhko P.D., head teacher of the department assistant Cherednichenko A.V., associate professors, candidate of medical sciences: Ryaboshapko A.A., Burdeyny V.S., Balykov V.V., Kushnir N.V., Shakhnovsky I .V., Rozumenko M.V., assistants to the candidate of medical sciences: Rozumenko V.A .; assistants Adamiv S.I., Lysenko V.V.
<b>Contact phone</b>	number at the department phone number is missing
<b>E-mail</b>	ortstom-onmedu@ukr.net
<b>Workplace</b>	Department of Orthopedic Dentistry, Torgovaya street, 15
<b>Consultations</b>	<i>Face-to-face consultations:</i> 14.30-16.00 on Thursday, and 8.30 – 13.00 on Saturday. <i>On-line consultations:</i> conducted by agreement with the teacher, who conducts classes in a group on an individual basis.

### **COMMUNICATION**

Communication with students will be carried out by E-mail, by phone of the teacher, in the classroom according to the schedule.

### **COURSE SUMMARY**

*The subject of study of the discipline* is dental orthopedic treatment of the following types of pathology of the dentoalveolar apparatus: defects of the crown part of individual teeth; partial loss of teeth; complete loss of teeth; injuries of the maxillofacial region and their consequences; periodontal pathology; dental deformities; excessive erasure of hard tooth tissues; diseases of the temporomandibular joint; dental prosthetics on implants.

#### **Course details:**

**Orthopedic dentistry** of the soil is based on students' study of morphological disciplines, physiology, pharmacology, pathomorphology, pathophysiology, propaedeutics of orthopedic dentistry.

***The purpose of teaching the academic discipline*** is the professional formation of a future specialist who is able to solve clinical problems using the acquired knowledge and skills in the discipline, provides for the integration of teaching the discipline with therapeutic, surgical and dentistry of children.

***The main objectives of the discipline*** "Orthopedic dentalology, including implantology" is: to teach students to conduct surveys of patients in a clinical study with the use of dental equipment and tools; to teach students to analyze diagnostic model of patients with different types of pathology dental apparatus; on the basis of clinical thinking to choose recovery methods defects of the teeth and dentition; to teach students to perform practical skills during clinical patients with different defects of the dentoalveolar apparatus; to teach students solve situational problems, with clinical directions.

Competencies and learning outcomes that the discipline contributes to (the relationship with the normative content of training applicants for higher education, formulated in terms of learning outcomes in AKI).

***Expected results:***

Integrative final program results of training, the formation of which is promoted by the academic discipline "Orthopedic Dentistry", including implantology":

- On the basis of a survey , examination, and instrumental research, be able to evaluate information about the diagnosis, and make a preliminary and final diagnosis.
- Assign and analyze additional (mandatory and optional) survey methods
- Determine the approach, plan, type and principle of treatment of dental diseases by making an informed decision based on existing algorithms and standard schemes.
- Determine the tactics of providing emergency medical care, using recommended algorithms, in any circumstances based on the diagnosis of an emergency condition in a limited time.
- Comply with the requirements of ethics, bioethics and deontology in their professional activities.
- Organize the necessary level of individual safety (own and those who are taken care of) in the event of typical dangerous situations in the individual field of activity
- Perform medical dental manipulations based on a preliminary and / or final clinical diagnosis for different segments of the population and in different settings.
- Perform manipulations of emergency medical care, using standard schemes, under any circumstances based on the diagnosis of an emergency condition in a limited time.

**COURSE DESCRIPTION**

***Forms and methods of training***

The course in UDE is presented in the form of lectures (78 hours), practical (338 hours), organization of independent work of students (184 hours).

When teaching the discipline, the following methods are used: lecturer's story, demonstration of Power Point and explanation, conversation, analysis of new information. During practical classes, students use their theoretical knowledge to complete practical tasks.

The format of practical classes includes::

- checking the knowledge of previously studied material (control event);
- working out new material and getting a task for the next lesson.

### ***Content of the academic discipline***

#### **Course 3**

Division 1: Examination of a patient in an orthopedic dentistry clinic

Subsection 2: Functional anatomy and biomechanics of the maxillary apparatus

Subsection 3: Pain relief in the orthopedic dentistry clinic

Subsection 4: Clinical and laboratory stages of manufacturing artificial crowns

Subsection 5: Clinical and laboratory stages of bridge prosthesis manufacturing

Subsection 6: Examination of patients with partial dentition defects. Design planning for partial removable dentures

Subsection 7: Clinical and laboratory stages of manufacturing partial removable plate prostheses

Subsection 8: Clinical and laboratory stages of manufacturing clasp prostheses and prostheses with a cast metal base

Subsection 9: Adaptation to removable dentures and the impact of dentures on oral tissues

#### **Course 4**

Division 1: Clinical stages of manufacturing complete removable dentures.

Subsection 2: Laboratory stages of manufacturing complete removable dentures.

Subsection 3: Maxillofacial traumatology.

Subsection 4: Treatment of jaw fractures

Subsection 5: Orthopedic treatment of consequences and complications of maxillofacial injuries

#### **Course 5**

Division 1: Modern methods of examination of patients in the clinic of orthopedic dentistry.

Subsection 2: Modern fixed prosthetics

Subsection 3: Modern removable prosthetics

Subsection 4: Implant-supported prosthetics

Subsection 5: Examination and orthopedic methods of treatment of diseases of the maxillary system

### ***List of recommended literature***

1. Klemin V. A., Zhdanov V. E. Orthopedic dentistry. Training manual. Moscow: VSI "Meditsina" Publ., 2016, 224 p.

2. Ishchenko P. V., Кльомін В.А., Качалов Г.Х., Likhota A.M. Viiskova orthopedic dentistry. K.: VSV "Medicine". 2013. 312c.

3. Gasyuk P. A., Kostenko N. Ya., Shcherba V. V., Savchin V. Ya. Prosthetics for complete loss of teeth. Uzhgorod, 2013. CJSC Publishing house "Transcarpathia". 222s.
4. Chulak L. D., Shuturminsky V. G. Clinical and laboratory stages of dental prosthesis manufacturing. Odessa. Indecky honey. university, 2009. 318p . (in Russian).  
Auxiliary system
  1. Nespryadko V. P., Rozhko N. M. Orthopedic dentistry. Kiev. Kniga plus, 2015.
  2. Rozhko N. M., Nespryadko V. P., Mikhaylenko T. N. et al. Dental prosthetic equipment. K.: Kniga plus, 2006. 544 p.
  3. Flis P. S., Bannik T. M. Technique of manufacturing removable dentures. K.: Medicine. 2018. 254 s.
  4. Nespryadko V. P., Kuts P. V. Dental імплантологія implantology. Fundamentals of theory and practice. Kharkiv: Kontrakt runway, 2016. 292 s.
  5. Shabanov N., Pedorets P., Shabanov I., Clemin V. A. Aesthetic aspects of rehabilitation and dentistry (monograph). Elista: ZAO rNPP "Dzhingar", 2010. 111c.
  6. King M. D., Korobeynikov L. S., Kindiy D. D., Yarkovoy V. V. Practical course on orthopedic dentistry. Part II. Poltava: PP "Formica", 2012. 168 pages.
  7. Homann A., Hilscher V. Конструкции Partial denture designs. Scientific editor of ultrasound. In Russian. yaz. Professor V. F. Makeev, translated from German . Lviv: GalDent Publ., 2002. 192 pages.
  8. Abolmasov N. N. Izbratelnaya prishlifovka zubov [Temporary grinding of teeth]. Smolensk, 2004. 79 p.
  9. Mechanisms of adaptation of dental prostheses. Poltava: LLC " Firm "Techservis", 2003. 116 p.
  10. Pomainitsky V. G., Fastovets E. A. Dental prosthetics. Educational and methodical manual for foreign students стоматологического of the Faculty of Dentistry. Dnepropetrovsk, OK "Pechatnik", 2004. 60s.
  11. Fundamentals of deontology in dentistry. Posobie for students and doctors / Под Edited by G. P. Ruzin. Vinnytsia: Novaya kniga Publ., 2008. 120s.

#### Information resources

1. <http://info.odmu.edu.ua/chair/prosthodontics/>
2. Electronic information resources of the department: <http://goo.gl/enEezy>

### **RATINGS**

**Current monitoring** is carried out at each practical lesson according to the specific goals of the topics. The assessment of current academic performance is based on the results of:

1. correct answers to questions in the textbook (filled in by the student during preparation for the practical lesson);
2. practical training interviews;
3. performing practical work in the classroom.

When mastering each module topic, the student's current academic activity is evaluated on a 4-point traditional scale.

*Assessment of independent work:*

Independent work of students, which is provided in the topic next to the classroom work, is evaluated during the current control of the topic in the corresponding lesson.

**Final control** (differentiated credit) it is carried out at the end of each course. Students who have completed all types of work provided for in the curriculum and who do not have passes (who have completed all passes), have an average score for current academic activities of at least 3.00, and have passed the final test control in the penultimate lesson by at least 90% are allowed to take the final control.

Differentiated credit is assessed based on the results of an interview with the head of the department. Each ticket includes 3 theoretical questions.

The received **grade for the discipline** is regarded as the percentage of mastering the required amount of knowledge in this subject.

*Independent work of students.*

1. Preparation for practical classes (theoretical, practical skills development)
2. Self-study of topics that are not included in the thematic plan of practical classes – 5 topics of 2 hours each

Independent work of students, which is provided in the topic next to the classroom work, is evaluated during the current control of the topic in the corresponding lesson.

## **COURSE POLICY**

*Policy on deadlines and retakes:*

The final (differentiated credit) is carried out in the audience. If there is no or low result, it will be recalculated according to the schedule

**Academic Integrity Policy:**

Use of prohibited auxiliary materials or technical means (cheat sheets, notes, microphones, phones, smartphones, tablets, etc.) during control events;

**Attendance and lateness policy:**

Students are required to attend all types of training sessions.

**Mobile devices:**

Use mobile devices only with the teacher's permission.

**Audience behavior:**

Active business atmosphere.