

PRIVATE HIGHER EDUCATIONAL INSTITUTION  
"INTERNATIONAL ACADEMY OF ECOLOGY AND MEDICINE"  
Department of Dentistry

**SYLLABUS**  
**EDUCATIONAL DISCIPLINE**

**«Dental practical training»**

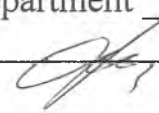
**LEVEL OF HIGHER EDUCATION** The second (master's) level

**DEGREE OF HIGHER EDUCATION** Master

**FIELD OF KNOWLEDGE** 22 Healthcare

**SPECIALTY** 221 Dentistry

***COURSE*** 4

Considered and approved  
at a meeting of the Department of Dentistry  
Protocol № 1 from «01» 09 2020 p.  
Acting head of the department \_\_\_\_\_  
MD, prof.  Kuts P.V.

**Kiev 2020**

<b>1. General information</b>	
<b>Subject</b>	<b>Dental practical training</b>
<b>Lector</b>	Acting Head of the Department, Doctor of Medical Sciences, Professor, Kuts Pavlo Valeriyovych, Al-Gburi Waleed K Hameed Bida Alexander Vitalievich Garlyauskaite Irena Yustynasivna, Candidate of Medical Sciences, Associate Professor
<b>Teacher's e-mail</b>	<a href="mailto:forum-for-me@bigmir.net">forum-for-me@bigmir.net</a>
<b>Discipline format</b>	Normative discipline.
<b>The volume of the discipline</b>	180 hours , 6 ECTS
<b>Link to the distance learning site</b>	<a href="http://maem.kiev.ua">maem.kiev.ua</a>
<b>Consultations</b>	Web conferences in various programs (Zoom, Skype, Myit, Jitsy, Teams, Viber, Facebook, Cisco Webs). Exchange tasks via e-mail, Wandrive
<b>2. Annotation to the course</b>	
<p>According to the curriculum of industrial medical practice for 4th year students of the Faculty of Dentistry is provided in the case when the student has acquired knowledge of basic clinical disciplines (propaedeutics, prevention of dental diseases, pharmacology).</p> <p>Industrial medical practice is carried out by involving students as an assistant to a dentist in the therapeutic, orthopedic, surgical department of a dental clinic.</p> <p>Industrial medicine practice is an integral part of the discipline, the methods of which are aimed at maintaining the dental health of the oral cavity of people, prevention of dental diseases.</p> <p>The subject of industrial medical practice is the performance of dental manipulations of the assistant physician, which are based on the etiology, pathogenesis, clinical manifestations of dental and tissue diseases and methods of their treatment, as well as national and individual preventive measures to prevent the most common diseases.</p> <p>Passing industrial medical practice involves mastering the theoretical material on the peculiarities of the work of a dentist and the basic manipulations and their practice under the supervision of the head (in the form of practical classes and consultations); independent work of the student in dental departments and consolidation of the received knowledge and skills in the form of independent shifts, preparation for practical employment, mastering of practical skills, filling of the basic reporting documentation, individual work and preparation for final control of knowledge.</p> <p>Passing of industrial medical practice provides mastering of the basic manipulations and their working off under the control of the head; independent work of the student in dental departments and mastering and consolidation of the received practical skills, filling of the basic reporting documentation, individual work and preparation for final control of knowledge.</p>	
<b>3. Purpose and objectives of the course</b>	
<p>The purpose of the medical practice is to consolidate the knowledge and practical skills of doctors obtained by students in accordance with the draft Standard of Higher Education of Ukraine of the second (master's) level of higher education in the field of knowledge 22 "Health", specialty 221 "Dentistry". The aim is also to master the skills of a dental assistant, forms and methods of work in dental institutions, the formation of professional skills and abilities to make independent decisions on the diagnosis and treatment of major dental diseases, educating the constant need to systematically update their knowledge.</p>	
<b>4. Competencies and learning outcomes</b>	
Learning outcomes	Teaching methods
Have modern methods of prevention, diagnosis and treatment of dental	verbal (explanation, story, conversation, instruction); visual (observation, illustration, demonstration); practical (practice

pathologies	for the development of skills and abilities); independent work of students on comprehension and mastering of practical skills.		
<p>Integral: Ability to solve problems and problems in the field of health care in the specialty "Dentistry" in a professional activity or in the learning process, which involves research and / or innovation and is characterized by uncertainty of conditions and requirements.</p> <p>General: 1. Ability to abstract thinking, search, analysis, synthesis; processing information from various sources, basics of evidence-based medicine. 2. Ability to lifelong learning. 3. Knowledge and understanding of the subject area and understanding of the profession. 4. Ability to implement knowledge in practice. 5. Ability to communicate orally and in writing in the state language. Ability to communicate in a foreign language. 6. Ability to effectively professional and interpersonal communication and use of information and communication technologies. 7. The ability to adapt to new conditions and situations and the ability to act autonomously in them. 8. Ability to identify and solve problems. 9. Ability to work in a team, including interdisciplinary and international. 10. Observance of deontological norms in professional activity. 11. Ability to implement a system of knowledge and practical skills to ensure a healthy lifestyle and patients. 12. Ability to self-assess their own achievements and increase their level. 13. Ability to assess the state of the environment, to help eliminate its negative effects on health. 14. Ability to act socially responsible and civic conscious. 15. Ability to organize legal support and management of professional activities. 16. Leadership in the development and implementation of innovations and their use in professional activities. 17. The ability to exercise their rights and responsibilities as a member of society, to realize the need for its sustainable development, the rule of law. 18. The ability to preserve and multiply moral, cultural, scientific values and achievements of society.</p> <p>Special (professional, subject): Collection of medical information about the patient's condition Evaluation of laboratory and instrumental research results. Establishing a clinical diagnosis of dental disease. Diagnosis of emergencies. Planning and implementation of measures for the prevention of dental diseases. Determining the nature and principles of treatment of dental diseases Determining the necessary mode of work and rest, diet in the treatment of dental diseases. Performing medical and dental manipulations Treatment of major dental diseases. Assessment of the impact of the environment on the health of the population (individual, family, population) Maintaining medical records</p>			
<b>5. Organization of course training</b>			
<i>The volume of the course</i>			
Type of lesson	<b>Total amount of hours</b>		
Lectures	-		
Practical classes	30		
Independent work	150		
<i>Course signs</i>			
Semester 8	Specialty <u>221 Dentistry</u>	Course (year of study) - 4	Normative discipline
<i>Course thematics</i>			
Organization of course training plan of Dental practical training for 4th year students			
The structure of production practice	Number of hours/ ECTS credits	Year of study	Type of control
Content module 1. Therapeutic dentistry.	10/50/2	<b>4</b>	Current control.
Content module 2. Orthopedic dentistry	10/50/2	<b>4</b>	Current control.
Content module 3	10/50/2	<b>4</b>	Current control.

Surgical dentistry			
Total	30/150/6	4	Differential credit

Structural subdivisions	Module duration
Medical production practice, 8 semester 4 course:	6 weeks
Therapeutic department	2 weeks
Department of Surgery	2 weeks
orthopedic department	2 weeks

**THEMATIC PLAN OF PRACTICAL CLASSES  
of the 4th year of the 8th semester**

#	Topic	Hours
1	Features of collecting anamnesis, the sequence of examination of the patient in the clinic of orthopedic dentistry Biomechanics of the dental system. Instrumental and special research methods. disinfection and sterilization of instruments. Types of anesthesia for the preparation of hard tissues of the teeth First aid for critical and urgent conditions Anatomical features of the TMJ. Phases of Giza masticatory movements Chewing muscle groups and their functions are normal	3
2	Methods of examination of a periodontal patient in the clinic of orthopedic dentistry. Features of fixed prostheses used in prosthetics in patients with periodontitis and periodontitis.	3
3	Imprints and their classification. Complications in obtaining fingerprints and their prevention. Support teeth, their value for fixing dentures. Artificial crowns. Bridge dentures. Indications for tooth coating. Partial removable dentures. Fixing methods Clasp line. Classification of staples. Clasp prostheses. Complete plate removable prostheses Clinical and laboratory stages of manufacturing complete removable prostheses	3
4	General principles and treatment plan for patients with generalized periodontitis. Treatment of symptomatic gingivitis. Elimination of local exogenous damage factors. Selective grinding, periodontal dressings. Methods of eliminating hyperesthesia	3
5	General pharmacotherapy of generalized periodontitis. Productive processes of periodontal tissues (periodontomes). Features of treatment of patients with periodontal diseases on the background of pathology of internal organs and systems.	3
6	Methods of physiotherapeutic treatment. Medical examination of patients	3
7	Dental tools are recommended to perform surgical manipulations in the oral cavity. Sanitary and epidemiological requirements for the work of a dentist. Methods of local anesthesia for outpatient surgery on the upper and lower jaws. Methods of typical and atypical tooth extraction on the upper and lower jaws. Complications during tooth extraction (bleeding, alveolitis, alveoloneuritis) Īx treatment and prevention.	3
8	Indications and contraindications to outpatient surgery surgical dental practice. Methods of surgical interventions: periostotomy for hypoxic abscess; alveolotomy, resection root apex, hemisection, corona-radicular separation.	3
9	Methods of examination of surgical interventions in patients with traumatic injuries of the maxillofacial area. Postoperative treatment of patients with traumatic injuries and inflammatory diseases of the maxillofacial area.	3
10	Control	3

Total	30
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**THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS (IWS)**  
Independent work - practice of practical skills, registration of diaries of reception of patients.

### 6. Course evaluation system

General course evaluation system

**Current control** is performed based on the control of theoretical knowledge, skills and abilities in practical classes. Independent study students are assessed in practical classes, and is an integral part of the final grade of the student. Current control is performed during the training sessions and aims at checking the assimilation of students learning the material. Forms of current control are:

- a) test tasks with a choice of one correct answer, with the definition of the correct sequence of actions, with determination of the conformity, defining the specific portion of the photo or diagram ("detection");
- b) individual oral questioning, interview;
- c) the solution of typical situational tasks;
- g) control of practical skills;

Grades on the national scale ("excellent" - 5, "good" - 4, "satisfactory" - 3, "unsatisfactory" - 2), received by students, are displayed in the journals of attendance and academic group performance.

The calculation of the number of points is based on the grades received by the student on a 4-point (national) scale during the study of the discipline and the results of the final control. The grade for practice consists of the sum of points for performance by the student of practical skills which are checked by the direct head from base of practice (maximum 120 points - minimum 72 points), and points for final control which are exposed at carrying out differentiated credit (maximum 80 points - minimum 50 points). ). Points from the discipline are independently converted into both an ECTS scale and a 4-point scale scale.

**Final control**

The final control is the form of a differentiated credit at the end of the 1st semester and at the end of the 2nd semester upon completion of the course of medical biology.

The semester exam is a form of final control of mastering by the student of theoretical and practical material on academic discipline. The final control (exam) is carried out at the last control lesson.

Students are admitted to the FC who have attended all the classes provided by the curriculum in the discipline and while studying the module scored the number of points not less than the minimum (**72 points**). A student who, for good or bad reasons, has missed classes, is allowed to rework academic debt for a certain period of time.

**Evaluation of current educational activities.** During the assessment of mastering each topic for the current educational activity of the student scores are set on a 4-point (national) assessment scale. This takes into account all types of work provided by the discipline program. The student must receive a score on each topic. Scores on the traditional scale are converted into points. The final assessment of the current academic activity is the arithmetic mean (the sum of scores for each lesson is divided by the number of lessons per semester) and translated into points according to **Table 2**.

**Table 2. Conversion of the average score for the current activity into a multi-point scale (for disciplines completed by diff.credit, exam)**

4-point scale	120-point scale	4-point scale	120-point scale	4-point scale	120-point scale	4-point scale	120-point scale
5	120	4,45	107	3,91	94	3,37	81
4,95	119	4,41	106	3,87	93	3,33	80
4,91	118	4,37	105	3,83	92	3,29	79
4,87	117	4,33	104	3,79	91	3,25	78

4,83	116	4,29	103	3,74	90	3,2	77
4,79	115	4,25	102	3,7	89	3,16	76
4,75	114	4,2	101	3,66	88	3,12	75
4,7	113	4,16	100	3,62	87	3,08	74
4,66	112	4,12	99	3,58	86	3,04	73
4,62	111	4,08	98	3,54	85	3	72
4,58	110	4,04	97	3,49	84	<3	Not enough
4,54	109	3,99	96	3,45	83		
4,5	108	3,95	95	3,41	82		

**The maximum number of points that a student can collect for current educational activity during semester in order to be admitted to the exam is 120 points.**

**The minimum number of points that a student can collect for current educational activity during semester in order to be admitted to the exam is 72 points.**

Calculating of the number of points is based on obtained marks of student according to traditional scale while learning subject during the semester, by calculating the arithmetic mean (AM) that is rounded to two signs after comma.

**Evaluation of independent work of students.** Independent work of students, which is provided by the topic of the lesson together with the classroom work, is evaluated during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked during the final module control.

**Evaluation of final control.**

**The maximum number of points that a student can score during the exam is 80 points.**

The final control is considered credited if the student scored at least 60% of the maximum amount of points (for a 200-point scale - at least **50 points**).

**Determining the number of points that a student scored in the discipline:** the number of points that a student scored in the discipline is defined as the sum of points for the current academic activity (Table1) and for the final control (diff.credit, exam) (Table 3).

**Table 3. Scale of assessment of differentiated (exam) credit:**

Traditional scale	Points
«5»	70-80
«4»	60-69
«3»	50-59

Requirements for written work	The final written work is performed in the form of a test.
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Practical classes	Classroom work
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**The 2nd semester**

Classroom work - score from 2 to 5 for each topic.

Final module control is evaluated from 50 to 80 points and consists of:  
 Test control - 40 tests = 40 points (1 point for the correct answer to 1 test).  
 Answer to 2 theoretical questions of 20 points for each = 40 points. Amount: 80.

Amount: minimum 72 + 50 = 122, maximum 120 + 80 = 200

**The list of theoretical questions to prepare students for the exam.**

Therapeutic dentistry.

1. Anatomy, histology, physiology of periodontal tissues (gums, alveolar process, periodontium, tooth root cementum). Protective mechanisms. Safety precautions when working in the department of therapeutic dentistry. 2. Periodontium. Definition of the concept. Clinical morpho-

functional features of periodontium. 3. Gum connection. Age-related changes in periodontal tissues. 4. Modern views on the systematization of periodontal diseases. Terminology, classification. 5. Features of clinical examination of patients with periodontal pathology. Basic clinical methods. 6. Index assessment of the condition of periodontal tissues. 7. Methods of research of bone tissue of an alveolar shoot. 8. Laboratory research methods used in patients with periodontal tissue pathology. 9. Functional research methods used in patients with periodontal tissue pathology. 10. The mechanism of occurrence of supra- and subgingival dental deposits, their impact on the condition of periodontal tissues and methods of their elimination. 11. Papillitis. Catarrhal gingivitis. Etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis. 12. Treatment of catarrhal gingivitis. 13. Hypertrophic gingivitis. Etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis. 14. Treatment of hypertrophic gingivitis. 15. Ulcerative gingivitis. Etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis. 16. Treatment of ulcerative gingivitis. 18. Atrophic and desquamative gingivitis. Significance of independent gingivitis in the occurrence of periodontitis. Prevention of gingivitis. 19. Localized periodontitis. Etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis. Treatment and prevention of localized periodontitis. 20. Etiology, pathogenesis of dystrophic-inflammatory diseases of periodontal tissues. The role of local and general factors. 21. Generalized periodontitis. Classification. The main syndromes of periodontitis. 22. Clinical and morphological characteristics of individual degrees of severity of generalized periodontitis. 23. Analysis of data of additional methods of research of patients with generalized periodontitis. 24. Differential diagnosis of generalized periodontitis. 25. General principles and treatment plan for patients with generalized periodontitis. Drawing up a treatment plan. 26. Elimination of local exogenous factors of periodontal tissue damage. Selective when grinding teeth. Indication. Methods of conducting. 27. Treatment of symptomatic gingivitis. The use of drugs for topical therapy: mechanism of action, methods of application depending on the form and course of symptomatic gingivitis. 28. Periodontal bandages. See. Indications for use. 29. Surgical methods of treatment of generalized periodontitis (curettage, gingivotomy, gingivectomy). Indications, methods. 30. Differential diagnosis of periodontal diseases. 31. Orthopedic measures in the complex treatment of generalized periodontitis. Methods of fixing moving teeth. Temporary splinting. Indication. Methods of conducting. 32. General pharmacotherapy of generalized periodontitis. Indication. Medicines. 33. Periodontitis. Etiology, pathogenesis. Clinic, diagnosis, treatment. 34. Methods of eliminating hyperesthesia. 35. Idiopathic periodontal disease. Clinic, diagnosis, differential diagnosis, principles of treatment. 36. Tumors of periodontal tissues. Etiology, clinic, diagnosis, principles of treatment. 37. Features of treatment of patients with periodontal diseases on the background of pathology of internal organs and systems. 38. Errors and complications in the diagnosis and treatment of periodontal disease. 39. Organization of a physiotherapy room. Indications, contraindications to use, methods of treatment. Methods of physiotherapeutic treatment. 40. Laser therapy for periodontal disease. 41. Prevention of periodontal diseases. Etiological and pathogenetic prevention measures. Medical examination of patients. 42. Stages and criteria of medical examination in periodontal diseases.

#### Orthopedic dentistry

1. Features of history taking, the sequence of examination of the patient. Biomechanics of the dental system. Types of occlusion. Contacts teeth with central occlusion. Articulation. 2. Instrumental and special research methods in orthopedic dentistry. X-ray research methods. Electromyography. Asepsis and antiseptics, disinfection and sterilization of instruments. Prevent the spread of infectious diseases in the dental clinic. 3. Anesthesia. Types of anesthesia for the preparation of hard tissues teeth. Tools, pharmacological drugs. Pharmacodynamic features of the drugs used in orthopedic dentistry. Possible mistakes and complications during anesthesia. First aid for critical and emergencies. 4. Anatomical features of the temporomandibular joint. Basic structural elements and their functional significance. Movements mandible in the vertical, sagittal and transverse directions. Phases of masticatory movements according to Giza. Chewing muscle groups and their functions are normal. 5. Structure and functions of the periodontium. Chewing pressure transformation. Structure and functions of the periodontium. Tooth mobility, diagnostic

value. Methods of examination of the patient in the orthopedic clinic dentistry with periodontal diseases. 6. Mobility and pliability of the oral mucosa. Marginal periodontium. Anatomy of the gingival junction. Features of fixed prostheses used in prosthetics for patients with periodontitis and periodontitis. 7. Imprints and their classification. Materials used to obtain them. Complications in obtaining fingerprints and their prevention. Artificial crowns. Indications for tooth coating crown. Classification of crowns. Materials, 8. Classification of dentition defects according to Kennedy. Their significance in clinic of orthopedic dentistry. Bite. Physiological and pathological bite. Bridge dentures. Show and contraindications to their use. Comparison soldered, unsoldered and solid bridges. 9. Partial removable dentures. Methods of fixing partial removable prostheses. Support teeth, their importance for fixing dentures. Clasp line. Classification of staples. Clasp prostheses. Indications and contraindications to the manufacture of clasp prostheses, their construction. Classification. Her system. Telescopic mount. 10. Classification of edentulous jaws and their anatomical features. Complete plate removable dentures. Classification of the condition of the mucosa shells of edentulous jaws. Classification of prints for manufacture of complete removable dentures, impression masses, their properties. Clinical and laboratory stages of manufacturing complete removable dentures.

#### Department of Surgery

Structure and organization of surgical dental population of Ukraine. Acquaintance with the work of a dentist-dentist. Identification of risk factors for the development of major dental diseases depending on the anatomical and physiological features of the structure of the maxillofacial area. Methods of examination of the patient. Algorithm of dental examination of a patient with surgical dental pathology. Subjective and objective diagnostic methods. Dental instruments are recommended for surgical manipulations in the oral cavity. Sanitary and epidemic requirements for the work of a dentist. Methods of local anesthesia for outpatient surgery on the upper and lower jaws. Techniques of typical and atypical tooth extraction on the upper and lower jaws. Indications and contraindications to surgery in outpatient surgical dental practice. Methods of surgical interventions: periostotomy for hypoxic abscess, alveolotomy, resection of the apex of the root, hemisection, coronary radicular separation. Methods of examination of patients with traumatic injuries of the maxillofacial area. Methods of surgical interventions in patients with traumatic injuries of the maxillofacial area. Complications when removing teeth (bleeding, alveolitis). Their treatment and prevention. Treatment and prevention of complications of traumatic injuries of the maxillofacial area (traumatic osteomyelitis, traumatic maxillary sinusitis, etc.). Algorithm of actions of a surgeon-dentist on an outpatient basis reception. Postoperative treatment of patients with traumatic injuries and inflammatory diseases of the maxillofacial area. Modern syringes and injection systems in dentistry. Features of local anesthesia in patients with concomitant pathology. Intensive care, cardiopulmonary resuscitation in maxillofacial surgery. Tooth extraction in patients with diseases of the cardiovascular system, blood system, diabetes. X-ray diagnostics and dental diseases. Modern view on the etiology and pathogenesis of odontogenic abscesses and phlegmon of the maxillofacial area. Topographic anatomy of MFA. Basic principles of incisions in MFA. Manifestations of MFA lymphadenitis in specific diseases: tuberculosis, actinomycosis, syphilis, AIDS. Modern view on the etiology and pathogenesis of odontogenic abscesses and phlegmon of the maxillofacial area. Topographical anatomy of MFA. Basic principles of incisions in MFA.

#### **The list of practical skills for final module control**

#### **Report About the work done during the internship in orthopedic dentistry student**

\_\_\_\_\_ course \_\_\_\_\_ group, from \_\_\_\_\_ to  
\_\_\_\_\_ 20\_\_ . based on \_\_\_\_\_

Name of skills (clinical stages)	Planned	Completed
Admitted patients:	50-70	
total	20-25	
of which are primary	30-40	

repeated		
Prepared teeth	9-10	
Imprints obtained:		
total	30-40	
anatomical	3-4	
functional	3-4	
Fitted individual spoons	7-8	
Central occlusions were identified		
Crowns handed over:	3-4	
metal	3	
plastic		
combined:	2	
metal-ceramic	2	
metal-plastic	5	
temporary	3-4	
Presented bridges:	3-4	
solid cast	2-3	
combined		
Ruling of stump-root tabs and anchor systems:	2-3	
metal	2-3	
composite		
Removable prostheses handed over:	3	
partial	3	
full	2	
clasp		
Taken:	5-7	
crowns	3-4	
bridges	3-4	
Correction of removable dentures	3-4	
Repair of prostheses		

\_\_\_\_\_ (date) \_\_\_\_\_ (name and signature of the student)

### Other types and forms: dental laboratory

Name of skills (laboratory stages)		Planned	Completed
1	Cast models	30	
2	Production of biting rollers	4	
3	Placing teeth (pieces)	40	
4	Plastering in a ditch, packing	6	
5	Processing of a removable prosthesis	10	
6	Repair of prosthesis (removable)	2	
7	Modeling of the intermediate part of fixed ave.	5	
8	Stamped crowns	12	
9	Soldering	6	
10	Processing of a fixed prosthesis	12	
	Total	127	

\_\_\_\_\_ (date) \_\_\_\_\_ (name and signature of the student)

### Report About the work done during the internship in surgical dentistry student

\_\_\_\_\_ course \_\_\_\_\_ group, from \_\_\_\_\_ to  
 \_\_\_\_\_ 20\_\_ . based on \_\_\_\_\_

№	List of practical skills	Planned	Completed
1	Admitted patients: Primary secondary	30 20 10	
2	Anesthesia was performed: - infiltration; - application; - conductive peripheral: a) tubercular b) infraorbital c) incisors d) the palatine e) mandibular f) mental g) torusal - conductive central; - for Bersche.	15 10 5 1-2 3 3 7 3 5 1 1 1	
3	Operations of typical tooth and root removal were performed.	20	
4	Atypical tooth and root removal operations were performed.	1-2	
5	Treatment of local complications that occur after tooth extraction surgery: - treatment of alveolitis; - stop ventricular hemorrhage.	2 2	
6	Treatment of pericoronaritis.	2	
7	Operations were performed to open submucosal, subchondral abscesses.	1	
8	The "purulent" wounds were bandaged.	1-2	
9	"Clean" wounds were bandaged.	1-2	
10	Appointment of drug therapy for purulent-inflammatory processes of the thyroid gland.	7-8	
11	Appointment of physiotherapy and mechanotherapy for purulent-inflammatory processes of the thyroid gland.	1-2	
12	Prescribing treatment for TMJ pathology.	1-2	
13	Appointment of treatment for diseases of the salivary glands.	1-2	
14	Biopsies were performed (excisional, incisional, puncture).	1	
15	Collection of material for cytological examination.	1	



Carrying out UHF therapy	3	
Participation in medical conferences	3	
Sanitary and educational work:	1	
- issue of sanitary bulletins;	1	
- conducting conversations.	5	

\_\_\_\_\_ (date) \_\_\_\_\_ (name and signature of the student)

**Circumstance of admission to the final control**

1. Semester control at the end of the 1st semester is provided in the form of a differential credit. (Table 2) Provides a final score on a 120-point scale as the sum of scores for the current control of knowledge (oral examination, written survey, tests, verification of identification of micropreparations, abstracts), the results of 2 content modules.

2. Students are allowed to take the differentiated credit, exam only if there is no debt for the implementation of the curriculum.

**7. Course policy**

The organization of the educational process is carried out with the use of the European Credit Transfer System (ECTS) to assess student performance. The points gained in the current survey, independent work and points of the final control are credited. This must take into account the student's presence in class and his activity during practical work. Inadmissible: absences and late classes; use of a mobile phone, tablet or other mobile devices during the lesson (except for the cases provided by the curriculum and methodical recommendations of the teacher); copying and plagiarism; untimely performance of the task, the presence of unsatisfactory grades for 50% or more of the submitted theoretical and practical material.

**8. RECOMMENDED LITERATURE**

**1.Basic:**

- Dental caries. Pulpitis. Apical periodontitis. Oral sepsis: a textbook( M. Yu. Antonenko, Yu. Romanova, S.A. Shnayder [et al.]; ed. by A. V. Borysenko. —Odesa: Astro, 2015. —314 p.
- Oral mucosa diseases: Textbook / M. Yu. Antonenko, O.F. Nesyn, S. A. Shnayder [et al.]; by ed. A. V. Borysenko. —Odesa: Print house, 2015. -328 p.
- Periodontal and Oral Mucosa Diseases: in 2 volumes. —Volume 2: textbook (IV a. I.) / A.V. Borysenko, L.V. Lynovytska, O.F. Nesyn et al.; edited by A.V. Borysenko. -2018. -624 p.
- Borysenko A.V. Periodontal diseases / A.V. Borysenko, Yu.G.Romanova, A.F.Nesyn [et al.]; ed. by A.V.Borysenko, Yu.G.Romanova. —Odessa: ONMedU, 2017. —212 p.
- Dmitrieva A.A. Local anesthesia in oral and maxilla-facial surgery / A.A.Dmitrieva, A.V. Kuritsyn. —Kharcov, 2010. —24 p.
- Miloro M. Peterson's Principle of oral and maxillofacial surgery. Second Edition / M. Miloro, G.E. Ghali, P.E. Larsen, P.D. Waite. —Hamilton London, BC Decker Inc, 2004. —1502 p.
- Master dentistry / P. Coulthard, K. Horner PH. Sloan, E Theaker. —Edinburg, London, New York, Philadelphia, St Louis, Toronto, Churchill Livingstone, 2003. —267 p.
- Oral and maxillofacial surgery : textbook / Ed. by prof. V. Malanchuk / part one. —Vinnytsia : Nova Knyha Publishers, 2011. —424 p.
- Oral Surgery / Ed. by Fraiskos D. Fragiskos. —Springer-Vergal Berlin Heidelberg, 2007. —367 p.
- Principle of oral and maxillofacial surgery / Ed. by U.J. Moore. —Blackwell Science, 2001. —276 p.
- Tkachenko P.I. Propaedeutics of surgical stomatology and inflammatory diseases of maxillofacial region / P.I. Tkachenko, A.I. Pankevich, K.Yu.Rezvina. —Poltava, ASMI, 2011. —Part 1. —284 p.

- Wray D. Textbook of general and oral surgery / D. Wray, D. Stenhouse, D. Lee, A. Clark. – Edinburg, London, New York, Philadelphia, St Louis, Toronto, Churchill Livingstone, 2003. –322 p
- Klemin VA Orthopedic dentistry. Textbook / VA Klemin, VE Zhdanov. –К .: VSI «Medicine», 2010. -224p. Recommended by the Ministry of Education and Science of Ukraine as a textbook for students of higher medical educational institutions of the IV level of accreditation GRIFF LETTER № 1 / 11-10347 dated 09.11.2010.
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