



Syllabus of the discipline "Propedeutics of Prosthetic Dentistry"

1. General information	
Faculty name	Faculty of Dentistry
Educational program (branch, specialty, level of higher education, form education)	22 Healthcare, 221 Dentistry, second (master's degree)) level of higher education, full-time
Year of study	2022-2023
Name of the discipline, code	Propedeutics of Prosthetic Dentistry OK 47
Department (name, address, telephone, e-mail)	Prosthetic Dentistry Department Lviv, Pekarska str., 69a; tel/fax: (032) 276-06-41 Kaf_prostheticdent@meduniv.lviv.ua
Head of the department (contact e-mail)	Associate professor Kykhta Vikto Stepanovych Kaf_prostheticdent@meduniv.lviv.ua
Year of study (year in which the study is implemented disciplines)	Second year of study
Semester (semester in which the study of the discipline is implemented)	Third-fourth semester
Type of discipline / module (obligatory / optional)	Obligatory discipline
Teachers	Assist. Prof. Bratus-Hrynkyv R.R. Kaf_prostheticdent@meduniv.lviv.ua
Erasmus Yes/No	No
Person responsible for syllabus English version	Assoc. Prof. Klyuchkovska N.R, Assist. Prof. Bratus-Hrynkyv R.R. Kaf_prostheticdent@meduniv.lviv.ua
Amount of ECTS credits	4 credits ECTS
Amount of hours	Lectures – 10 hrs Practical classes – 50 hrs Self conducted work – 60 hrs
Language of instruction	English
Consultation information	According to the calendar schedule of the department
Address, telephone number and regulations of the clinical base, office... (if necessary)	Prosthetic Dentistry Department Lviv, Pekarska str., 69a; tel/fax: (032) 276-06-41 Kaf_prostheticdent@meduniv.lviv.ua

2. Short annotation to the course

Propedeutics of prosthetic dentistry is a discipline that:

- a) is based on the study of morphological disciplines, physiology, pharmacology, pathomorphology, pathophysiology and integrates with these disciplines;
- b) forms the foundations for students to study theoretical knowledge, mastering practical skills and abilities in prosthetic dentistry, which involves the integration of teaching the discipline with therapeutic dentistry, surgical dentistry and pediatric dentistry and the formation of skills to apply knowledge and skills in professional activities;
- c) forms a future specialist who is able to solve clinical problems using the acquired knowledge and skills in the discipline, forms the foundations of a healthy lifestyle and prevention of dysfunction in the process of life.

3. The purpose and objectives of the course

Purpose: to acquire solid theoretical knowledge, practical skills in certain dental manipulations used in the treatment of patients with pathology of the dental and maxillofacial system prosthetic profile, with the possibility of use during clinical practice.

Learning objectives: improving knowledge of the functional anatomy of the human dentition and maxillofacial system, improving knowledge of the functional anatomy of the teeth and dentition; principles of the prosthetic department and dental laboratory; acquisition of knowledge about sanitary and hygienic requirements in the clinic of prosthetic dentistry, rules of operation of equipment and safety when working with them; acquisition of knowledge and skills of examination of patients in the clinic prosthetic dentistry, filling out documentation, acquiring knowledge of basic and additional methods of examination in the clinic of prosthetic dentistry; acquiring knowledge of the basics of medical deontology, semiotics, diagnosis of dental diseases of prosthetic profile; knowledge of impression materials, features of their application; mastering the methods of impression obtaining on phantoms, making models; acquaintance with the main technological processes of manufacturing fixed and removable prosthetic constructions, mastering the skills of working with rotary cutting and abrasive instruments by getting acquainted with the rules of teeth hard tissues preparation for fixed prosthetic constructions and training on phantom models.

Competences and learning outcomes, the formation of which provides the study of the discipline:

General competencies:

1. Ability to abstract thinking, analysis and synthesis; ability to learn and be modernly trained.
2. Knowledge and understanding of the subject area and understanding of the profession.
3. Ability to apply knowledge in practical situations.
4. Ability to communicate in the state language both orally and in writing; ability to communicate in other languages.
5. Information and communication technology skills.
6. Ability to search, process and analyze information from various sources.
7. Ability to adapt and act in a new situation, the ability to work autonomously.
8. Ability to identify, pose and solve problems.
9. Ability to choose communication strategy.
10. Ability to work in a team.
11. Interpersonal skills.

12. Ability to act on ethical considerations.
13. Safe activity skills.
14. Ability to evaluate and ensure the quality of work performed.
15. The desire to preserve the environment.
16. Ability to act socially responsibly and civically consciously.

Professional competencies:

1. Recognize the moral, ethical and professional rules of the prosthodontist.
2. Awareness of moral and deontological principles of medical specialist, the rules of professional subordination in the clinic of prosthetic dentistry.
3. Promoting a healthy psychological microclimate in the team, mastering the legal norms of the relationship "legal norms of the relationship" doctor-dentist-orthopedist - patient ".
4. Acquaintance with the structure of the prosthetic office, department, dental laboratory. Study of the basic dental tools used in the clinic of prosthetic dentistry. Demonstration on phantoms of the ability to use basic dental tools, use dental and dental equipment. Demonstration on phantoms during the examination of an prosthetic patient. Demonstration on phantoms of anatomical formations of the maxillofacial area.
5. Demonstration of working with different types of impression materials and obtaining impressions.
6. Knowledge of manufacturing technological stages different types of prosthetic constructions used for patients rehabilitation.
7. Distinguishing the features of asepsis and antiseptics principles application in prosthetic dentistry clinic. Study of modern requirements for instruments sterilization in prosthetic dentistry clinic. Awareness of the importance of of asepsis and antiseptics rules following in prosthetic dentistry clinic. Assimilation of control norms over sterilization efficiency. Determination of methods to prevent the spread of infection in the department of prosthetic dentistry.

Knowledge:

1. Know the current trends in the industry and the indicators that characterize them.
2. Know the features of the professional activity of a dentist.
3. Know the methods of implementing knowledge in solving practical problems.
4. Know the state language, including professional orientation; speak foreign languages at a level sufficient for professional communication.
5. Have modern knowledge in the field of modern information technologies used in the learning process.
6. Have the necessary knowledge in the field of modern communication technologies used in the learning process.
7. Know the methods of implementing knowledge in solving practical problems.
8. Know the methods of implementing knowledge in identifying, setting and solving problems of professional activity.
9. Know the methods of implementing knowledge in choosing a strategy for communication with patients and colleagues.
10. Know the ways of collective interaction.
11. Know the ways of interpersonal interaction with colleagues and patients.
12. Know the moral and ethical principles of a medical specialist and the rules of professional subordination.
13. Ability to assess the level of danger in the performance of professional tasks.
14. Ability to evaluate and ensure quality in the performance of professional tasks.
15. Ability to assess the state of the environment.
16. Know your social and civil rights and responsibilities.
17. Know the basic provisions of the code of ethics of the dentist.
18. Know the moral and deontological principles of a medical specialist and the rules of professional subordination in the clinic of prosthetic dentistry.
19. Know the current legal norms of the relationship "doctor-dentist-orthopedist - patient".
20. Know the equipment of the prosthetic dental office and dental laboratory. Know the structure of the dental department and dental laboratory.
21. Know the medical documentation and the rules of its completion. Know the algorithm of examination of the patient in the clinic of prosthetic dentistry.

22. Know the algorithm for obtaining impressions using different groups of impression materials.
23. Know the materials from which prosthetic constructions are made.
24. Know the technological stages of manufacturing different types of prosthetic constructions used for prosthetic rehabilitation of patients.

Skills:

1. Be able to analyze professional information, make informed decisions, acquire modern knowledge.
2. Be able to carry out professional activities that require updating and integration of knowledge.
3. Be able to use professional knowledge to solve practical problems.
4. Be able to use state and foreign languages for professional activities and communication.
5. Be able to use information and communication technologies in a professional field that needs updating and integration
6. Be able to use information technology in the professional field to search, process and analyze new information from various sources.
7. Be able to use professional knowledge to adapt and act in a new situation.
8. Be able to use professional knowledge to identify, formulate and solve problems of professional activity.
9. Be able to use knowledge to choose a strategy for communication with patients and colleagues.
10. Be able to work in a team.
11. Be able to use knowledge to choose a communication strategy during interpersonal interaction.
12. Use in professional activities the moral and ethical principles of the medical worker and the rules of professional subordination.
13. Be able to carry out professional activities in compliance with safety rules .
14. Know the methods of assessing performance indicators.
15. Be able to analyze environmental quality indicators.
16. Form your civic and social position.
17. Use in practice the code of ethics of a dentist.
18. To use in practice the moral and deontological principles of a medical specialist and the rules of professional subordination in the clinic of prosthetic dentistry.
19. To use in practice the legal norms of the relationship "doctor-dentist-orthopedist - patient".
20. Be able to form a healthy psychological microclimate in the team.
21. Be able to use the equipment of the dental office, the main dental tools used in the clinic of prosthetic dentistry. Be able to fill in primary medical records.
22. Be able to obtain impressions using different groups of impression materials.
23. Be able to use knowledge of materials science to understand the technological stages of manufacturing different types of prosthetic constructions used for prosthetic rehabilitation
24. Be able to organize disinfection and sterilization of dental equipment and instruments and control over the effectiveness of sterilization.

Autonomy and responsibility:

1. Be responsible for the timely acquisition of modern knowledge.
2. Be responsible for continuous professional development with a high level of autonomy.
3. Be responsible for the validity of decisions.
4. Be responsible for the continuous development of professional knowledge and skills.
5. Be responsible for the quality of the use of professional skills in the new situation.
6. To be responsible for the validity of the decisions made to solve problems of professional activity.
7. Develop a communication strategy in the learning process.
8. To bear personal responsibility for observance of moral and ethical principles of the medical specialist and rules of professional subordination.
9. Take personal responsibility for compliance with safety rules when performing professional tasks.
10. Establish connections to ensure quality work.
11. Be personally responsible for compliance with the rules of environmental protection in the performance of professional tasks.
12. Be responsible for your civic and social activities.
13. To bear personal responsibility for observance in practice of provisions of the code of ethics of

the dentist.

14. To bear personal responsibility for observance of moral and deontological principles of the medical specialist, rules of professional subordination in clinic of prosthetic dentistry.

15. To bear personal responsibility for observance of the current legal norms of the relationship "doctor-dentist-orthopedist - patient".

16. Be personally responsible for the correct use of dental office equipment and basic dental instruments and examination of the patient and completion of medical records.

17. Take personal responsibility during the manipulation of fingerprinting.

18. Take personal responsibility for knowledge of safety rules during the manufacture of prosthetic constructions.

19. Identify methods to prevent the spread of infection in the Department of Prosthetic Dentistry.

20. Take personal responsibility for compliance with the rules of asepsis and antiseptics in the clinic of prosthetic dentistry.

4. Prerequisites of the course

"Propedeutics of Prosthetic Dentistry" as a discipline is based on previous study by students:

1. human anatomy;
2. histology, embryology and cytology;
3. medical biology;
4. medical physics;
5. bioorganic and inorganic chemistry;
6. materials science in dentistry;
7. ergonomics in dentistry.

5. Program learning outcomes

List of learning outcomes

Learning Outcome Code	Learning Outcome Content	Link to Competency Matrix Code Competencies Program Learning Outcome Code Symbol in the Higher Education Standard
<i>Knowledge 1-24</i>	<i>In section 3. Purpose and goals. Знання</i>	<i>PP1, PP2, PP9, PP14, PP16, PP18-PP20, PP 22</i>
<i>Skill 1 -24</i>	<i>In section 3. Purpose and goals. Уміння</i>	<i>PP1, PP2, PP9, PP14, PP16, PP18-PP20, PP 22</i>
<i>Competences 1 -23</i>	<i>In section 3. Purpose and goals. Компетентності</i>	<i>PP1, PP2, PP9, PP14, PP16, PP18-PP20, PP 22</i>
<i>Autonomy and responsibility 1-20</i>	<i>In section 3. Purpose and goals. Автономність</i>	<i>PP1, PP2, PP9, PP14, PP16, PP18-PP20, PP 22</i>

6. Course format and scope

Course format	Full-time course	
Type of classes	Amount of hours	Amount of groups
Lectures	10 hrs	10
Practical	50 hrs	10
Seminars	-	-
Self conducted work	60 hrs	10

7. Topics and content of the course

Code of the type of classes	Topic	Content of training	Code of result of training	Teacher
L-1	Prosthetic dentistry. Content, purpose and objectives. Organizational principles of the prosthetic department. The main dental diseases subject to prosthetic treatment. Medical documentation. Patients examination.	Basics of organization of prosthetic dental care for different categories of the population. Requirements for the organization of the prosthetic department, office. Prosthetic office equipment, tools, instruments and its purpose, medicines, materials. Rules of admission and examination of patients in the clinic of prosthetic dentistry. Preparing the patient and workplace for examination. The sequence of the survey. Methods of clinical examination of prosthetic patients. History of the disease and the rules of its completion.	K-1,2,3,4 , 3H-1,2,3,4,7,8,9,10,11,12,16,17,18,19,20,21, YM-1,2,3,4,7,8,9,11,12,17,18,19,21, AB-1,2,3,4,5,8,13,14,15,16	Assoc. Prof. V.S. Kukhta
L-2	Anatomy of the dental-maxillary system and biological principles of its functioning	Anatomy of teeth, dentition, facial skeleton. Biomechanics of dentitions, features of chewing load transfer.	K-5 , 3H-1,2,3,7,8,14,22, YM-1,2,3,,8,13,22 , AB-1,2,3,4,5,6,17	Assoc. Prof. V.S. Kukhta
L-3	Methods of obtaining anatomical impression and models. Impressions and their characteristics. Impression materials.	Classification of impressions. Classification of impression materials by groups. Impression requirements. Requirements for impression materials. Classification of impression trays relative to coverage area. Classification of impression trays by size. Classification of impression trays by material of manufacture.	K-1,2,3 , 3H-1,2,3,7,8,9,11,12,14,17,18,19,21, YM-1,2,3,7,8,12,17,21, AB-1,2,3,4,5,6,8,13,14,15,16	Assoc. Prof. V.S. Kukhta
L-4	Patients examination in the clinic of orthopedic dentistry. Maintaining medical records.	Rules of admission and patients examination in the clinic of orthopedic dentistry. Preparing workplace and the patient for examination. The sequence of the survey. Methods of clinical examination of orthopedic patients. History of the disease and the rules of its completion.	K-5 , 3H-1,2,3,7,8,14,22, YM-1,2,3,,8,13,22 , AB-1,2,3,4,5,6,17	Assoc. Prof. V.S. Kukhta

L-5	Pathology of tooth hard tissues. Artificial crowns, removable and fixed prostheses. Metals and alloys in the clinic of prosthetic dentistry.	Classification of the dental system pathology according to ICD-10. Etiology of defects of hard tissues of teeth. Defects of hard tissues of teeth of carious origin. Defects of hard tissues of teeth of non-carious origin. Definition of the diagnosis, its components. The importance of the dental patient's chart as a document.	K K-1,2,3 , 3H-1,2,3,7,8,9,11,12,14,17,18,19,21, YM-1,2,3,7,8,12,17,21, AB-1,2,3,4,5,6,8,13,14,15,16	Assoc. Prof. V.S. Kukhta
P-1.1	Functional anatomy of the masticatory system. Anatomical structure of the lower and upper jaws. Masticatory and mimic muscles. Structure, function, purpose.	Anatomical structure of the upper and lower jaws. Contrforces of the upper jaw and their role in the transmission of masticatory forces. Influence of functional load on the anatomical structure of the mandible. Anatomical structure of the soft palate. Clinical anatomy of the soft and hard palate. Classification of masticatory muscles by main function. Muscles that elevate, lower, extend the lower jaw, their attachment; main and additional functions. Facial muscles, attachments and function. Chewing and facial muscles, common features and differences.	K-1 , 3H-1 , YM-1,2,5,6, AB- 1,2,4	Assist. Prof. Bratus-Hrynkiv R.R.
P-1.2	Structure of teeth and dentition. Characteristics of dental arches. Structure and function of the periodontium. Features of the structure of the oral mucosa.	Micro- and macroscopic structure of the tooth. Signs of belonging of each of the teeth to a certain side of the jaw. Dental arch, its shape, factors that ensure its stability. Alveolar, dental and basal arches.	K-1 , 3H-1 , YM-1,2,5,6, AB- 1,2,4	Assist. Prof. Bratus-Hrynkiv R.R.
P-1.3	Temporomandibular joint. Anatomical structure, basic elements of the joint, function. Comparative characteristics of the joints of predators, rodents and ruminants. Relationship between the shape and function of the temporomandibular joint. Planes of	Anatomical structure of the temporomandibular joint of man. The role of the joint capsule and the place of its attachment. The role and functions of extra- and intracapsular connections. Dependence of the function of the temporomandibular joint on its anatomical structure. The structure and basic functions of the joint of the predator. The structure and basic functions of the rodent joint. The structure and basic functions of the ruminant joint.	K-1 , 3H-1 , YM-1,2,5,6, AB- 1,2,4	Assist. Prof. Bratus-Hrynkiv R.R.

	comparison.			
P-1.4	Articulation and occlusion. Types of occlusion. The main characteristics of the occlusal relations.	Definition of articulation, occlusion. Types of occlusion, occlusal, muscular and articular characteristics of occlusion. Characteristics of central occlusion. The concept of the central relation of the jaws. Characteristics of the position of physiological rest. Characteristics of occlusal height. Central relation. Movements of the lower jaw in the sagittal, horizontal, frontal planes. Functional movements (chewing). Bruxism. Bilateral balanced occlusion. Unilateral balanced occlusion (group function).	K-1 , 3H-1 , УМ-1,2,5,6, АВ- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
P-1.5	Bite. Types of bite. Characteristics of orthognathic bite..	Varieties of physiological bites. Signs of orthognathic bite, which belong to the front teeth. Signs of orthognathic bite, which belong to the lateral teeth. Signs of orthognathic bite, which belong to the entire arch. Articular and muscular features that characterize orthognathic bite. Variants of normognathic bite and their distinctive features from orthognathic.	K-1 , 3H-1 , УМ-1,2,5,6 , АВ- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
P-1.6	Biomechanics of mandibular movements. Chewing and physiological movements of the lower jaw.	Characteristics of lower jaw movements. Movements of the lower jaw in the vertical plane: muscles involved in opening the mouth; muscles involved in closing the mouth; movements of the articular head in the joint when opening and closing the mouth. Movements of the mandible in the sagittal plane: muscles involved in the advancement of the mandible; the angle of the sagittal joint path; the angle of the sagittal incisal path; possible occlusal contacts in anterior occlusion (Bonville three-point contact). Transverse movements of the lower jaw: muscles that provide transverse movements of the lower jaw; movements performed by the articular heads in the TMJ; Bennett's angle, Gothic angle; occlusal relations in transverse movements - working and balancing sides.	K-1 , 3H-1 , УМ-1,2,5,6 , АВ- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
P-1.7	Apparatus that reproduce the movements of the lower jaw.	Occludators. Classification of articulators. Articulators that are not adjustable. Articulators that are partially adjustable. Fully adjustable articulators. Diagnostic models. Obtaining fingerimpression for diagnostic models. Choice of articulator for studying diagnostic models. Face bows. Kinematic face bows. Articulators – arcon and non-arcon. Registration of the central relation. Transfer the position of the CR to the articulator. Registration of the central relation. Registration of the relation of the	K-1 , 3H-1 , УМ-1,2,5,6 , АВ- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.

		jaws with partial loss of teeth		
P-1.8	Scheme of neuromuscular regulation of the functions of the dental system. Anatomical features of innervation of tissues of the maxillofacial area, their significance for conductive anesthesia. Anesthesia zones during peripheral anesthesia on the upper and lower jaws.	Anatomical features of innervation of tissues of the maxillofacial area, their significance for conductive anesthesia. Anesthesia zones during peripheral anesthesia on the upper and lower jaws. Indications for anesthesia at the prosthetic office. Examination of the patient before anesthesia. Contraindications for various types of anesthesia. Methods of anesthesia (application, conduction, infiltration). Remedies for various types of anesthesia. Application anesthesia. Principles of dosing of local anesthetics. Contraindications to the use of anesthetics with vasoconstrictors. Mechanism of action of local anesthetics. Errors and complications during anesthesia. Allergic reactions: Quincke's edema, anaphylactic shock. Clinical manifestations, emergency care. Viral hepatitis, HIV, abscess, phlegmon, trismus, hematoma, edema, tissue necrosis, paresthesia.	K-1,2,3,4, 3H-1,2,3,12,13,17,18,19, YМ-1,2,3,12,13,14,17,18,19,21, AB-1,2,3,4,8,9,13,14,15,16	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.1	Organizational principles of the orthopedic department. Clinic equipment. Study of the prosthodontist workplace organization, tools. Safety precautions. Organizational principles of the dental laboratory. Acquaintance with the workplace of a dental technician and special premises of a dental laboratory. Safety precautions.	Basics of organization of orthopedic care for different categories of the population. Requirements for the organization of the orthopedic department, office. Orthopedic office equipment, tools and its purpose, medicines, materials Workplace of an prosthodontist, logistics, materials and tools. Safety precautions when working with dental equipment, tools and materials. Organization of the dental laboratory. Main and auxiliary premises of the dental laboratory, sanitary and hygienic requirements for them. Logistics, equipment of special premises of the dental laboratory. Workplace organization of dental technicians, equipment, tools. Safety precautions when working in a dental laboratory. Providing first aid for thermal, chemical burns, electric shock, damage to eyes, skin, respiratory tract by industrial dust, ultraviolet radiation	K-4 , 3H-1,2, YМ-1,2,12,13,17,18,19,21 , AB-9,16	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.2	Medical documentation. Rules of orthopedic	Rules of admission and examination of patients in the clinic of orthopedic dentistry. Preparing the patient and workplace for examination. The sequence	K-4 , 3H-1,12,20, YМ-1,12,13,17,18, AB- 1,8,9,14	Assist. Prof. Bratus-Hrynkiv R.R.

	patient medical history fulfilling. Clinical methods of orthopedic patients examination.	of the survey. Methods of clinical examination of orthopedic patients. History of the disease and the rules of its completion. Definition of the diagnosis, its components. The importance of the status of the outpatient card as a document. History and clinical examination. The main complaints. Medical history. Dental history. Examination. External overview. Temporomandibular joint. Examination of the masticatory muscles. Intraoral examination. Periodontal examination (gum, periodontium, clinical level of attachment). Dental map. Occlusal examination (contact of teeth in the central ratio and in the central occlusion). General location of teeth, lateral and protrusion contacts. Evaluation of existing orthopedic dentures. Rules of admission and examination of patients in the clinic of orthopedic dentistry. Preparing the patient and workplace for examination. The sequence of the survey. Methods of clinical examination of orthopedic patients. History of the disease and the rules of its completion. Classification of defects of the coronal part of the teeth according to Black. Method of calculations of masticatory efficiency according to Agapov, Oxman. Classification of dentition defects according to Kennedy and Bethelman.		
P-2.3	Medical Paraclinical methods of examination of orthopedic patients.	Special (additional) examination methods: radiographic examination methods. Digital radiography. Panoramic radiographs. Computed tomography. Diagnostic models. Galvanometry. Mastication. Electromyography. Rheography. Thermodontodiagnostics. Electroodontodiagnostics. Gnatodynamometry. Methods for determining the effectiveness of chewing (static according to Agapov; functional chewing tests according to IS Rubinov). Diagnosis. Rationale for the diagnosis. History of the disease, the rules of its management. Plan and tasks of orthopedic treatment. Preliminary treatment before prosthetics. Types and tasks of prosthetics. Additional survey methods. Radiography. Electroodontodiagnostics. Static methods of chewing efficiency research. Chewing tests.	K-1,2,3,4 , 3H-1,2,3,4,7,8,9,10,11,12,16,17,18,19,20,21, YM-1,2,3,4,7,8,9,11,12,17,18,19,21, AB-1,2,3,4,5,8,13,14,15,16	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.4	Classification of diseases of the dental and	Classification of pathological conditions of the dental system according to ICD-10. Etiology of defects of hard tissues of teeth.	K-1,2,3, 3H-1,2,3,7,8,9,11,12,14,17,18,19,2	Assist. Prof. Bratus-Hrynkiv R.R.

	maxillofacial system. Diagnosis formulation.	Defects of hard tissues of teeth of carious origin. Defects of hard tissues of teeth of non-carious origin. Definition of the diagnosis, its components. The importance of the status of the outpatient card as a document.	1, УМ-1,2,3,7,8,12,17,21, АВ-1,2,3,4,5,6,8,13,14,15,16	
P-2.5	Classification of impression materials and impressions. General requirements for impression materials and impressions. Impression trays and their varieties.	Impression definition. Classification of impressions. Classification of impression materials by groups. Impression requirements. Requirements for impression materials. Classification of impression trays relative to coverage area. Classification of impression trays by size. Classification of impression trays by material of manufacture.	К-4, 3Н-1,2,3,20, УМ-1, АВ-1,2	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.6	Crystallizing and thermoplastic impression materials. Physico-chemical properties. Indications for use, representatives. Methods of impression taking with these materials.	Representatives of crystallizing impression materials. Basic physical and chemical properties of crystallizing materials. Methods of obtaining medical gypsum, its characteristics and structure. Catalysts and inhibitors of gypsum crystallization, their influence on gypsum technological characteristics. Method of obtaining plaster impressions, obtaining plaster models. Zinc oxide deugenol impression materials, their characteristics. The main characteristic of thermoplastic impression masses. Preparation of the workplace and the patient to obtain an impression of thermoplastic materials. Stages and methods of obtaining impressions by thermoplastic mass. Disadvantages of thermoplastics. Complications are possible when obtaining impressions with thermoplastic materials.	К-4,5, 3Н-1,2,3,20,22, УМ-1,22, АВ-1,2,17	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.7	Alginate impression materials. Physico-chemical properties. Indications for use, representatives. Methods of impression taking with these materials.	Classification of impression materials. Physico-chemical properties of alginate impression materials. Indications for the use of alginate impression materials and the main representatives of this type of materials. Impression trays for taking impressions with alginate impression materials. Stages and methods of obtaining an imprint with alginate materials. Disadvantages of alginate materials. Complications and errors in obtaining alginate impressions.	К-4,5, 3Н-1,2,3,20,22, УМ-1,22, АВ-1,2,17	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.9	Polyetherther impression masses.	Physico-chemical properties of polyether impression materials. Indications for use, features of application. Stages of obtaining	К-4,5, 3Н-1,2,3,20,22, УМ-1,22, АВ-	Assist. Prof. Bratus-Hrynkiv R.R.

	Physico-chemical properties. Indications for use, representative s. Methods of impression taking with these materials.	impressions with polyester materials, the rules of selection of the impression spoon. Apparatus for mixing polyester materials. Criteria for assessing fingerimpressions and complications.	1,2,17	
P-2.10	Rules of impression material and tray selection. Methods of impression taking depending on the method and the selected material.	Classification of impression trays. Rules of selection of impression trays and requirements to them. Position of the patient during fingerprinting. Rules for inserting an impression tray into the oral cavity and placing it in the oral cavity. Stages of imprinting with crystallization impression materials. Stages of imprinting with thermoplastic materials. Stages of imprinting with alginate materials. Stages of imprinting with silicone materials	K-4,5, 3H-1,2,3,20,22, YM-1,22, AB-1,2,17	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.11	Classification of jaw models. Models fabrication and base forming. Materials for models fabrication. Rules of models mounting into the occluder and articulator.	Classification of jaw models. Classification of gypsum for medical purposes and their use depending on the class. Methods of obtaining medical gypsum, its physicochemical structure and characteristics. Methods of obtaining high-strength gypsum and its physico-chemical characteristics. Catalysts and inhibitors of gypsum crystallization, their influence on gypsum technological characteristics. Methods of obtaining gypsum models. Method of plastering models in the occluder and articulator.	K-4, 3H-1,2,3,20, YM-1,22, AB-1,2	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.12	Disinfection of impressions. Choice of agents according to the type of material. Asepsis and antiseptics in dentistry. Basic principles	The main groups of meagentsans for disinfection of impressions. Requirements for disinfectants. The effect of disinfectants on prints of different materials. Representatives of disinfectants.	K-7, 3H-1,2,3,20, YM-1,24, AB-1,2,19,20	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.13	Clinical manifestations of masticatory system pathological conditions. (Defects of the hard tissues, partial and complete tooth	Classification of pathological conditions of the dental system according to ICD-10. Etiology of defects of hard tissues of teeth. Defects of hard tissues of teeth of carious origin. Defects of hard tissues of teeth of non-carious origin. Classification of hard tissue defects according to Black. The index of destruction of the occlusal surface of the tooth according to Milikevich (IROPZ). Etiology of partial and complete	K-1,2,3 , 3H-1,2,3,7,8,9,11,12,14,17,18,19,21, YM-1,2,3,7,8,12,17, AB-1,2,3,4,5,6,8,13,14,15,16	Assist. Prof. Bratus-Hrynkiv R.R.

	loss)	loss of teeth. Kennedy classification of partial tooth loss. Classification of alveolar process atrophy according to Keller and Schroeder. Clinical picture of partial and complete loss of teeth.		
P-2.14	Inlays. Classification. Design features. Characteristics of the main and auxiliary materials used for the manufacture of inlays.	Classifications of inlays by method of manufacture, by material, by the area of replacement of tooth hard tissues. Design features of inlays. Basic and auxiliary materials used for the manufacture of tabs	K-6 , 3H-1,2,3,7,8,23,24, УМ-1,2,3,23, АВ-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.15	Artificial crowns. Metal, acrylic, ceramic. Design features. Characteristics of the main and auxiliary materials used for the manufacture of crowns. Artificial combined crowns. Classification. Design features. Characteristics of the main and auxiliary materials used for the manufacture of combined crowns	Definition of an artificial crown as a prosthetic structure. Classifications of artificial crowns. Design features of an artificial crown (all-metal, acrylic, ceramic). Basic and auxiliary materials for the manufacture of these types of crowns. Methods of manufacturing all-metal, ceramic and plastic crowns. Definition of a combined crown. Classifications of combined crowns on various grounds. Design features of each type of combined crown. Method of manufacturing this type of crowns. Basic and auxiliary materials for the manufacture of combined crowns	K-6 , 3H-1,2,3,7,8,23,24, УМ-1,2,3,23, АВ-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.16	Fixed partial dentures. Classification. Design features. Characteristics of the main and auxiliary materials used for the manufacture of FPDs	Determination of a fixed partial dentures. Designs of FPDs depending on the material and type. Classifications of FPDs. Basic and auxiliary materials used for the manufacture of various types of FPDs.	K-6 , 3H-1,2,3,7,8,23,24, УМ-1,2,3,23, АВ-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.

P-2.17	Removable dentures designs (partial and complete removable dentures). Classification. Design features. Characteristics of the main and auxiliary materials used for the manufacture of removable prosthetic dentures. Bugel dentures. Design features. Characteristics of the main and auxiliary materials used for manufacturing	Varieties of partial removable dentures. Classification of partial removable dentures depending on the clinical situation. Design features of different designs of partial removable dentures. Prosthetic dentures for greasing complete loss of teeth, their design features. Basic and auxiliary materials for the manufacture of complete removable denture dentures. The main components of the bugel dentures. Appointment. Design features. A variety of means of fixing the bugel dentures. Requirements for clasp prosthesis. Basic and auxiliary materials used for the manufacture of clasp prostheses	K-6 , 3H-1,2,3,7,8,23,24, YM-1,2,3,23, AB-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.
P-2.18	Clinical characteristic of pathological conditions of the dental area (defects of the tooth hard tissues, partial and complete loss of teeth).	Classification of pathological conditions of the dental system according to ICD-10. Etiology of defects of hard tissues of teeth. Defects of hard tissues of teeth of carious origin. Defects of hard tissues of teeth of non-carious origin. Classification of hard tissue defects according to Black. The index of destruction of the occlusal surface of the tooth according to Milikevich (IROPZ). Etiology of partial and complete loss of teeth. Kennedy classification of partial tooth loss. Classification of alveolar process atrophy according to Keller and Schroeder. Clinical picture of partial and complete loss of teeth.	K-1,2,3 , 3H-1,2,3,7,8,9,11,12,14,17,18,19,21, YM-1,2,3,7,8,12,17, AB-1,2,3,4,5,6,8,13,14,15,16	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-1	History of development of prosthetic dentistry. The contribution of Ukrainian scientists to the development of prosthetic dentistry. Lviv School of Prosthetic Dentists.	Development of prosthetic dentistry in Europe and Arab countries before and after the Renaissance. Works of P. Foshar and other specialists. The main achievements of European and American dentistry in the XVIII-XIX centuries. Development of dentistry in Ukraine before and after independence.	K-1 , 3H-1 , YM-1,2,5,6 , AB- 1,2,4	Assist. Prof. Bratus-Hrynkiv R.R.

SLW-2	Anatomical structure of the upper and lower jaws. Transfer of masticatory pressure to the bones of the facial skeleton. Contrforces.	Development of the upper and lower jaws in humans. Terms of teething. Anatomical formations on the inner and outer surface of the mandible. The structure of the maxilla, the value of the maxillary paranasal sinuses. Hard palate. Localization of contrforces, their functional significance.	K-1 , 3H-1 , YM-1,2,5,6 , AB- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-3	The muscular system of the maxillofacial area. Functions of the main and additional groups of masticatory muscles.	Varieties of masticatory muscles. Features of the actual masticatory, temporal, medial and lateral pterygoid muscles. Supra- and infragioid muscle groups. Facial muscles, their types and functions.	K-1 , 3H-1 , YM-1,2,5,6 , AB- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-4	Structure and mechanisms of movements of the temporomandibular joint.	Anatomical structure of the temporomandibular joint of man. Features of movement of an articular head and a disk at various typical movements of a mandible. Muscles that move the lower jaw during its various typical movements.	K-1 , 3H-1 , YM-1,2,5,6 , AB- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-5	Vertical and transversal movements of the lower jaw.	Peculiarities of movement of the condyle and disc when opening the mouth, when moving the lower graft from the position of central occlusion to the anterior and in the opposite direction, from the position of central occlusion to the lateral and in the opposite direction. Sagittal joint path and angle of inclination of the sagittal articular path. Sagittal incisor path and angle of inclination of the sagittal incisor path. Gothic angle and Bennett's angle.	K-1 , 3H-1 , YM-1,2,5,6 , AB- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-6	Hygienic requirements and standards for dental prosthetic care.	Hygienic requirements for equipment and tools used in prosthetic dentistry. Disinfection and sterilization of dental equipment and instruments. Disinfection of impression: tools and techniques.	K-7, 3H-1,2,3,20, YM-1,24, AB-1,2,19,20	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-7	Instrumental methods of examination of patients (palpation, percussion, auscultation, probing).	Varieties of objective methods of examination in prosthetic dentistry. Indications for the use of palpation. Indications for the use of percussion techniques. Indications for the use of auscultation techniques. Indications for the sound techniques use . Features of instrumental survey methods.	K-1,2,3,4, 3H-1,2,3,4,7,8,9,10,11,12,16,17,18,19,20,21, YM-1,2,3,4,7,8,9,11,12,17,18,19,21, AB-1,2,3,4,5,8,13,14,15,16	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-8	Technologies of metal crowns swaging, fixed partial dentures	Varieties of swaging of sheet metal in dentistry. Advantages and disadvantages of internal, external and combined stamping methods. Indications for external and combined stamping. Alloys of metals that can be stamped, their properties.	K-6 , 3H-1,2,3,7,8,23,24, YM-1,2,3,23, AB-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.

		Equipment and features of methods of stamping alloys of precious and base metals.		
SLW-9	Technologies for casting metal crowns, FPDs, frames of removable denture constructions.	Historical development of casting methods based on molten models in dentistry. Varieties of modeling materials, their advantages and disadvantages. Molding materials, their varieties and indications for use. Method of making a mold. Varieties of foundries. Processing of cast products after unpacking.	K-6 , 3H-1,2,3,7,8,23,24, YM-1,2,3,23, AB-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-10	Technology of acrylic prosthetic constructions manufacturing.	Varieties of polymeric materials used in dentistry. Types of curing initiation of polymeric materials. Method of making a plastic crown. Method of polymer metal cladding of a fixed combined prosthesis. Method of manufacturing a complete removable prosthesis using basic plastic.	K-6 , 3H-1,2,3,7,8,23,24, YM-1,2,3,23, AB-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-11	Historical development of impression materials.	Varieties of impression materials used in modern prosthetic dentistry. History of application of thermoplastic materials. History of the use of materials that crystallize. Development of elastic impression materials in the XX century.	K-1 , 3H-1 , YM-1,2,5,6 , AB- 1,2, 4	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-12	Comparative characteristics of impression materials.	Advantages and disadvantages of impression materials that crystallize. Advantages and disadvantages of thermoplastic impression materials. Advantages and disadvantages of elastic impression materials. Consistency types of elastomeric impression materials and combinations of impression materials of different consistencies for removable and non-removable prosthetics.	K-4,5, 3H-1,2,3,20,22, YM-1,22, AB-1,2,17	Assist. Prof. Bratus-Hrynkiv R.R.
SLW-13	Technology of soldering and welding of parts of prosthetic constructions and scope. Methods and technology of processing prosthetic constructions.	The use of soldering techniques in the manufacture of stamped and soldered constructions of FPDs, crowns according to Borodyuk. Soldering equipment, types of solders, soldering techniques. Technology of laser welding in prosthetic dentistry: scope, features of equipment. Differences in the technology of soldering and welding of metal components.	K-6 , 3H-1,2,3,7,8,20,23, 24, YM-1,2,3,23, AB-1,2,3,4,18	Assist. Prof. Bratus-Hrynkiv R.R.

Organization of practical training:

- **preparatory stage (20 min.)** Substantiation by the teacher of the importance of the topic of the lesson for further study of the discipline and professional activity of the doctor in order to form motivation and purposeful educational activity. Introducing students to specific goals and lesson plan. Carrying out standardized control of the initial level of student training. Discussion of the topic and answers to students' questions.

- **main stage (40 min.)** Execution by students of practical skills in the discipline "propaedeutics of prosthetic dentistry" (algorithm of examination of a patient on a phantom, kneading of impression materials, selection of impression trays casting of jaw models, fixation of models in the articulator, acquisition of basics of phantom teeth preparation for fixed prosthetic constructions).

- **final stage (30 min.)** Carrying out standardized final control using individual test tasks in MISA learning environment, analysis of results. Evaluation by the teacher of the current activity of the student during the lesson, analysis of student performance, announcement of grades and their entry in

the paper and electronic versions of the journal of attendance and student performance. The head of the group makes assessments in the record of performance and attendance of students, followed by certification by the teacher. Informing students about the topic of the next lesson and methodical measures to prepare for it.

Practical classes and lectures are provided with appropriate methodological and illustrative materials. Classes are conducted using test tasks, situational control tasks, oral answers, demonstration materials, tooth phantoms, phantoms of the patient's head. Lectures are conducted with the obligatory multimedia accompaniment, which demonstrates modern illustrative material in accordance with the topic of the lecture, and discussion with the audience.

8. Verification of learning outcomes

The current control

is carried out during the training sessions and aims to check the assimilation of educational material by students. Forms of assessment of current educational activities include control of theoretical and practical training. types of work provided by the program of the discipline. The student must receive a grade from each topic for further conversion of grades into points on a multi-point (200-point) scale. illustrating answers with various examples; gives comprehensively accurate and clear answers without any leading questions; teaches material without errors inaccuracies; freely solves problems and performs practical tasks of varying complexity;

A grade of "good" is given when the student knows the whole program and understands it well, answers the questions correctly, consistently and systematically, but they are not exhaustive, although the student answers additional questions without errors; solves all problems and performs practical tasks, experiencing difficulties only in the most difficult cases; The student is able to solve modified problems with the help of leading questions; solves problems and performs practical skills, experiencing difficulties in simple cases; is not able to systematically answer the answer, but answers the direct questions correctly.

Grade "unsatisfactory" is given in cases where the student's knowledge and skills do not meet the requirements of "satisfactory" assessment.

Learning outcome code	Code of the type of classes	Method of verification of learning outcomes	Enrollment criteria
K-1 , 3 _H -1 , Y _M -1,2,5,6 , AB-1,2,4	P-1.1 - P-1.4	<i>Individual test task</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent
K-1 , 3 _H -1 , Y _M -1,2,5,6 , AB-1,2,4	P-1.5	<i>Individual test task</i> <i>Determining the bite type of the jaw models or their illustrations among proposed options.</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»
K-1 , 3 _H -1 , Y _M -1,2,5,6 , AB-1,2,4	P-1.6	<i>Individual test task</i> <i>Determining the types of articulators and components of a separately proposed articulator</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»
K-1 , 3 _H -1 , Y _M -1,2,5,6 , AB-1,2,4	P-1.7	<i>Individual test task</i> <i>Reproduction of lower jaw movements with the help of articulator</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»

K-1,2,3,4, 3H-1,2,3,4,7,8,9,10,11,12,13,16,17,18,19,20,21, Y _M -1,2,3,4,7,8,9,11,12,13,14,17,18,19,21, AB-1,2,3,4,5,8,9,13,14,15,16	P-1.8 – P-1.11	<i>Individual test task</i>	0% - 49% =unsatisfactorily 50%-70% = satisfactorily 71%-90% =good 91% -100% =excellent
K-1,2,3,4, 3H-1,2,3,4,7,8,9,10,11,12,16,17,18,19,20,21, Y _M -1,2,3,4,7,8,9,11,12,17,18,19,21, AB-1,2,3,4,5,8,13,14,15,16	P-1.12	<i>Individual test task</i> <i>Reproduction of the patient's examination algorithm on the human head phantom</i>	0% - 49% =unsatisfactorily 50%-70% = satisfactorily 71%-90% =good 91% -100% =excellent Completed= «credited» Not completed= «not credited»
K-1,2,3,4, 3H-1,2,3,4,7,8,9,10,11,12,16,17,18,19,20,21, Y _M -1,2,3,4,7,8,9,11,12,17,18,19,21, AB-1,2,3,4,5,8,13,14,15,16	P-1.13	<i>Individual test task</i> <i>Fulfilling dental patients chart</i> <i>Individual task determining masticatory efficiency according to dental formula</i>	0% - 49% =unsatisfactorily 50%-70% = satisfactorily 71%-90% =good 91% -100% =excellent Completed= «credited» Not completed= «not credited»
K-1,2,3,4, 3H-1,2,3,7,8,9,10,11,12,13,14,16,17,18,19,20,21, Y _M -1,2,3,4,5,6,3,7,8,9,11,12,13,14,17,18,19,21, AB-1,2,3,4,5,6,8,9,13,14,15,16	P-1.14, P-1.15, P-2.1	<i>Individual test task</i>	0% - 49% =unsatisfactorily 50%-70% = satisfactorily 71%-90% =good 91% -100% =excellent
K-4,5, 3H-1,2,3,20,22, Y _M -1,22, AB-1,2,17	P-2.2 – P-2.5	<i>Individual test task</i> <i>Preparing the impression material for impression taking</i>	0% - 49% =unsatisfactorily 50%-70% = satisfactorily 71%-90% =good 91% -100% =excellent Completed= «credited» Not completed= «not credited»
K-4,5, 3H-1,2,3,20,22, Y _M -1,22, AB-1,2,17	P-2.6	<i>Individual test task</i> <i>Obtaining anatomical impression with alginate impression material</i>	0% - 49% =unsatisfactorily 50%-70% = satisfactorily 71%-90% =good 91% -100% =excellent Completed= «credited» Not completed= «not credited»

K-4, 3H-1,2,3,20, YM-1,22, AB-1,2	P-2.7	<i>Individual test task</i> <i>Mounting dental casts(models) from offered impressions</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»
K-7, 3H-1,2,3,20, YM-1,24, AB-1,2,19,20	P-2.8	<i>Individual test task</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent
K-4,5,7, 3H-1,2,3,20,22, YM-1,22,24, AB-1,2,17,19,20	P-2.9	<i>Individual test task</i> <i>Obtaining anatomical impression with silicone impression material using one and two steps technique</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»
K-1,2,3 , 3H-1,2,3,7,8,9,11,12,14,17,18,19, 21, YM-1,2,3,7,8,12,17, AB-1,2,3,4,5,6,8,13,14,15,16	P-2.10	<i>Individual test task</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=ВІДМІНН
K-6 , 3H-1,2,3,7,8,23,24, YM-1,2,3,23, AB-1,2,3,4,18	P-2.11	<i>Individual test task</i> <i>To reproduce the basic principles of cavities preparation 1st and 2nd class according to Black on a phantom tooth</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»
K-6 , 3H-1,2,3,7,8,23,24, YM-1,2,3,23, AB-1,2,3,4,18	P-2.12, P-2.13	<i>Individual test task</i> <i>Reproduce the basic principles of tooth preparation for an artificial crown on a phantom tooth</i>	0% - 49%=unsatisfactorily 50%-70%=satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»

K-6 , 3H-1,2,3,7,8,23,24, YM-1,2,3,23, AB-1,2,3,4,18	P-2.14	<i>Individual test task</i> <i>To reproduce the principle of parallel preparation of two teeth for a fixed partial denture on a phantom tooth</i>	0%- 49%=unsatisfactorily 50%-70%= satisfactorily 71%-90%=good 91%-100%=excellent Completed= «credited» Not completed= «not credited»
K-1,2,3,6, 3H-1,2,3,7,8,9,11,12,14,17,18,19, 21,23,24, YM-1,2,3,7,8,12,17,23, AB-1,2,3,4,5,6,8,13,14,15,16,18	P-2.15 – P-2.17	<i>Individual test task for compiling a differential test, the result of which is actually diff. credit and according to absolute criteria is converted into a score on a 4-point scale, as a result of the last practical lesson</i>	69-80= «5» 57-68= «4» 50-56= «3»
Final control			
General assessment system	Participation during the semester / differential test - 60% / 40% on a 200-point scale		
Assessment scales	traditional 4-point scale, multi-point (200-point)) scale, ECTS rating scale		
Conditions for admission to final control	The student attended all practical classes and received from 72 to 120 points for current performance		
Type of final control	Methodology of final control	Enrollment criteria	
Differential credit	<p>To be admitted to the differential test, all topics submitted for current control and self conducted work of the student must be included. Grades from the 4-point scale are converted into points on a 200-point scale in accordance with Regulation</p> <p>"Criteria, rules and procedures for evaluating student learning outcomes". Differential credit is made at the last practical lesson on schedule. Individual test task for differential test consists of 80 test tasks worth 1 point, the result of which is actually diff. credit and is converted into a grade on a 4-point scale as a result of the last practical lesson.</p> <p>The final result is the sum of points of current training and points for Individual test task of differential credit.</p>		<p><i>Current performance:</i> <i>Maximum score - 120.</i> <i>Minimum score - 72.</i></p> <p><i>Differential score:</i> <i>The maximum number of points is 80.</i> <i>The minimum number of points is 50.</i></p>

The minimum number of points that a student must score for the current academic activity for admission to the differentiated test is 72 points.

The calculation of the points number is based on the grades obtained by the student due to 4-point (national) scale during the study of the discipline, by calculating the arithmetic mean (CA), rounded to two decimal places. The value obtained is converted into points on a multi-point scale as follows:

$$x=(CA*120)/5$$

9. Course policy

Regarding the results of student learning due to academic integrity, it is necessary:

- to act in professional and educational situations from the standpoint of academic integrity and professional ethics;
- to independently perform educational tasks; information in case of borrowing ideas, statements, information;
- be aware of the importance of the norms of academic integrity, evaluate examples of human behavior in accordance with these;
- evaluate examples of human behavior in accordance with the norms of academic integrity;
- to give a moral assessment of one's own actions, to correlate them with moral and professional norms.

10. Reference

Required:

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Additional:

1. Navchalno-dovidnykovyi posibnyk «Stomatolohiia: orhanizatsiino-pravovi ta hihienichni aspekty» (zatverdzheno TsMK MOZ Ukrainy 15.06.2006r., protokol № 3) (Kuz H.M., Baranov M.O., Matviienko T.M., Katrushov O.V.).
2. Osnovy stomatolohichnoi diialnosti /Moskalenko V.F., Bardov V.H., Dubnov 34 A.V., Omelchuk S.T., Katrushov O.V., Baranov M.O., Kuz H.M., Matviienko T.M. ta in., Kyiv, 2011.-340s. Rekomendovano yak navchalno-dovidnykovyi posibnyk dlia studentiv stomatolohichnykh fakultetiv VUZiv, likariv-interniv, mahistrantiv, klinichnykh ordynatoriv, likariv praktychnoi okhorony zdorovia (zatverdzheno TsMK MOZ Ukrainy 15.06.2006r., protokol № 3).
3. Navchalnyi posibnyk «Alhorytmy vykonannia praktychnykh navychok z ortopedychnoi stomatolohii» dlia studentiv 5 kursu (Dvornyk V.M., Tumakova O.B., Kuz H.M.) (zatverdzheno TsMK MOZ Ukrainy vid 1.10.10 r. protokol № 4)
4. Ortopedycheskaia stomatolohiia. Pod red. V.N.Kopeikyna, M.Z.Myrhazyzova. Moskva. Medytsyna, 2001.
5. Makieiev V.F., Stupnytskyi R.M. Teoretychni osnovy ortopedychnoi stomatolohii.- Lviv, 2010. - 394s.

11. Equipment, logistical support and software of the discipline

- guidelines for practical classes, lectures, independent work in the discipline "propaedeutics of prosthetic dentistry";
- individualized test tasks;
- multimedia presentations;
- phantoms of teeth;
- models with phantom teeth;
- articulators with models of jaws with various defects of dentitions;
- tools for performing manipulations prosthetic direction;
- MISA learning environment;
- demonstration material.

Syllabus authors

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