



Educational objectives

- C1. Student develops the skill to diagnose and plan prosthodontic treatment using phantoms
 C2. Student demonstrates knowledge of the basic disease entities of the masticatory organ, its etiology, diagnosis and age-related principles of treatment.
 C3. Student has knowledge of changes occurring within stomatognathic system as a result of teeth loss and possesses the knowledge of prevention of such disorders.
 C4. Student demonstrates the ability to perform a visual and physical examination in the patient and on phantoms and to plan additional examinations.
 C5. Student develops demonstrates mastery of the basic techniques of communication with the patient during the treatment process
 C6. Demonstrates achievement of interpersonal communication skills and follows the principles of medical ethics .

Education result for course in relation to verification methods of the intended education result and the type of class:

Number of detailed education result	Student who completes the course knows/is able to	Methods of verification of intended education results	Form of didactic class*
F.W2.	rules of conduct for preventive and curative treatment in diseases of the masticatory organ at different stages of development	short structured questions, yes/no or matching answer tests	MC,SE
F.W11.	indications and contraindications for cosmetic dentistry procedures	short structured questions, yes/no or matching answer tests	MC,SE
F.W12.	causes of complications of stomatognathic system diseases and the principles of handling such complications	short structured questions, yes/no or matching answer tests	MC,SE
F.W14.	masticatory organ rehabilitation methods	short structured questions, yes/no or matching answer tests	MC,SE
F.U1.	take medical history from the patient or his/her family	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U2.	perform a physical examination of the patient	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U3.	explain to the patient the nature of their health issues, determine a method of treatment that is confirmed by the patient's informed consent and make a prognosis;	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U6.	principles of handling periapical tissue diseases;	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U7.	dental cavity morphology and principles of endodontic treatment, as well as instrumentation used in such treatment	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC
F.U11.	handle the patient's current medical record, write referrals for tests or specialist dental or general medical treatment	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC



F.U15	plan treatment of diseases of the stomatognathic system tissues	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	CK
F.U22.	perform clinical and laboratory procedures required for prosthetic rehabilitation in simple cases	direct observation of the student demonstrating the skill during the practical assessment of individual work made individually	MC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	147
2. Number of hours of distance learning:	78
3. Number of hours of student's own work:	
4. Number of hours of directed self-study	225
Total student's workload	9
ECTS points for course	

Content of classes:

Seminars

1. Principles of prosthetic treatment. (2h)
2. The prosthetic treatment of patients with functional disturbances of the masticatory system- prophylaxis, diagnosis and treatment. (2h)
3. Ceramic and metal –ceramic prosthetic crowns. Fixed metal –composite dentures. Prosthetic crowns and bridges- clinical procedures and failures.
4. Review of precision attachments for removable partial dentures. Designing rests and retentive clasps. (2h)
5. The prosthetic treatment in serious morphological destruction of oral cavity tissues. (2h)
6. Prosthetic treatment in children and adolescents.
7. Prosthetic stomatopathies, diagnostics, treatment and prevention.
8. Treatment of patients with occlusal disorders. (2 h)
9. Principles of diagnosis and methods of implantoprosthodontic treatment. (2 h)
10. Prosthetic treatment of patients with periodontal diseases
11. Difficulties in the adaptation of dentures, clinical and anatomical circumstances

Classes

Winter semester

1. Regulations of the Department of Prosthetic Dentistry. Subject introduction: shedule, conditions for passing the winter semester, actual literature and other aids.
 - Conducting prosthetic diagnostics of the masticatory system: interview, extra- and intraoral examination, planning and preparation before prosthetic treatment and initial stage of prosthetic procedure (taking anatomical impressions - diagnostic models)
2. The meaning of examination in masticatory system rehabilitation, the meaning of additional tests in planning of the prosthetic treatment. Preparation of patients for prosthetic treatment - pre-prosthetic treatment.
 - Partial test - checking knowledge from previous classes.
 - Analysis of diagnostic models Planning of prosthetic treatment. Independent performance of clinical treatments for fixed and removable dentures.
3. Standard and individual posts: indications, contraindications, clinical and laboratory performance.
 - Partial test - checking knowledge from previous classes.
 - Independent performance of clinical treatments for fixed and removable dentures.



4. Dental crowns: division, general characteristics, indications and contraindications, principles of clinical and laboratory management.
 - PARTIAL TEST - Posts
 - Independent performance of clinical treatments for fixed and removable dentures.
5. Dental crowns – part II
 - PARTIAL TEST – DENTAL CROWNS
 - Independent performance of clinical treatments for fixed and removable dentures.
6. Dental bridges: division, indications, contraindications, design principles, advantages and disadvantages of bridges compared to removable dentures in the alternative case.
 - Partial test - checking knowledge from previous classes.
 - Independent performance of clinical treatments for fixed and removable dentures.
7. Dental bridges – part II
 - PARTIAL TEST – DENTAL BRIDGES
 - Independent performance of clinical treatments for fixed and removable dentures.
8. Dental implant prosthetics: indications, contraindications. Planning of the treatment. Types of implants. Clinical and laboratory management in implant prosthetics.
 - Partial test - checking knowledge from previous classes.
 - Independent performance of clinical treatments for fixed and removable dentures.
9. Dental implant prosthetics – part II
 - PARTIAL TEST – dental implant prosthetics
 - Independent performance of clinical treatments for fixed and removable dentures.
10. Frame dentures. Parallelometric analysis of the working model - determination, purposefulness and method of conducting. When a frame denture is made in cases alternative to dental bridges.
 - Partial test - checking knowledge from previous classes.
 - Independent performance of clinical treatments for fixed and removable dentures.
11. Frame dentures – part II – clasps and retainers
 - PARTIAL TEST – FRAME DENTURES
 - Independent performance of clinical treatments for fixed and removable dentures.
12. Partial and complete dentures
 - Partial test - checking knowledge from previous classes.
 - Independent performance of clinical treatments for fixed and removable dentures.
13. Partial and complete dentures
 - Partial test - checking knowledge from previous classes.
 - Independent performance of clinical treatments for fixed and removable dentures.
14. PARTIAL TEST: PARTIAL AND COMPLETE DENTURES
 - Independent performance of clinical treatments for fixed and removable dentures.
15. FINAL SEMESTER EXAMINATION

Summer semester

1. Repairing prosthetic restorations
 - Independent performance of clinical treatments for fixed and removable dentures.
2. Prosthetics stomatopathy prevention and treatment.
 - Partial test- Repairing prosthetic restorations
 - Independent performance of clinical treatments for fixed and removable dentures.
3. Prosthetic treatment in children and adolescents.
 - Partial test- Prosthetics stomatopathy prevention and treatment.
 - Independent performance of clinical treatments for fixed and removable dentures.
4. Rules of prosthetic treatment in periodontal diseases. Prosthetic treatment of patients with a traumatic bite.
 - Partial test- Prosthetic treatment in children and adolescents.



- Independent performance of clinical treatments for fixed and removable dentures.
- 5. **Pathological tooth wear. Rehabilitation of the stomatognathic system by occlusion high elevation.**
Prosthetic treatment of patients with traumatic occlusion.
 - Partial test : Rules of prosthetic treatment in periodontal diseases. Prosthetic treatment of patients with a traumatic bite.
 - Independent performance of clinical treatments for fixed and removable dentures.
- 6. **Prosthetic rehabilitation of deep bite and mesiocclusion.**
 - Partial test- Pathological tooth wear. Rehabilitation of the stomatognathic system by occlusion high elevation.
 - Prosthetic treatment of patients with traumatic occlusion.
 - Independent performance of clinical treatments for fixed and removable dentures.
- 7. **Parafunctions and arthropathies. Pt.1**
 - Partial test- Prosthetic rehabilitation of deep bite and mesiocclusion.
 - Independent performance of clinical treatments for fixed and removable dentures.
- 8. **Parafunctions and arthropathies Pt.2**
 - Independent performance of clinical treatments for fixed and removable dentures.
- 9. **Prosthetic treatment of patients after intraoral surgeries. Epitheses.**
 - Partial test- Parafunctions and arthropathies.
 - Independent performance of clinical treatments for fixed and removable dentures.
- 10. **Crown and root inlays, crowns, bridges. Repetition.**
 - Partial test- Crown and root inlays, crowns, bridges.
 - Independent performance of clinical treatments for fixed and removable dentures.
- 11. **Partial and complete dentures. Repetition.**
 - Partial test- Partial and complete dentures
 - Independent performance of clinical treatments for fixed and removable dentures.
- 12. **Skeletal dentures. Repetition**
 - Partial test- Skeletal dentures
 - Independent performance of clinical treatments for fixed and removable dentures.
- 13. **Implantoprosthodontics. Repetition.**
 - Review of selected questions from the LDEK Exam
 - Independent performance of clinical treatments for fixed and removable dentures.
- 14. **Review of selected questions from the LDEK Exam**
 - FINAL TEST.
 - Independent performance of clinical treatments for fixed and removable dentures.
- 15. **Discussion of the final year's credit.**
 - Discussion of selected issues

Basic literature

1. H.T.Shillinburg, S. Hobo, L.D.Whitsett: Fundamentals of fixed prosthodontics, Quintessence Publishing Co,1997
2. A.B.Carr, G.P.McGivney, D.T.Brown: McCracken's Removable Partial Prosthodontics, Mosby 2005
3. I.Hayakawa: Principles and Practices of Complete Dentures, Quintessence Publishing Co, 2001

Additional literature:

1. Okeson J.P.: Management of Temporomandibular Disorders and Occlusion, 8th edition Mosby, 2019
2. S.F.Rosenstiel,, M.F.Land, J.Fujimoto: Contemporary Fixed Prosthodontics, Mosby 2006.

Preliminary conditions:

Credit for courses of Prosthodontics (2) and Prosthodontics (3) carried out in the 4th year of study.

Conditions to receive credit for the course:

Requirements to be fulfilled in order to take the Final Exam in Prosthodontics.



Credit	<p>1. The credit for passing the theoretical knowledge from classes, and seminars with the leading assistant. Oral answer or written test.</p> <p>2. Receiving a credit for practical skills from the teaching assistant according to the individually performed clinical procedures.</p> <p>3. <u>Phantom works and clinical procedures necessary for obtaining 5th year credit (annual standard) :</u></p> <ul style="list-style-type: none"> • clinical work performed independently (all clinical phases) - prosthetic crown - 2 - prosthetic bridge - 1 - crown-root inlay - 2 - complete dentures - 2 (one of each using the classic method and the Wrocław method) - partial dentures - 2 - skeletal denture - 1 (performed as a demonstration for each clinical group) - denture repair (adding a clamp, attaching a tooth, fixing the plate) - 1 <p>4. Passing of the final credit test. A single-choice test with five possible answers, time to solve the test 1 minute per question, in total 50 minutes.</p>
Very Good (5.0)	Obtaining from 93% to 100% correct answers on the test
Good Above (4.5)	Obtaining from 85% to 92% correct answers on the test
Good (4.0)	Obtaining from 77% to 84% correct answers on the test
Satisfactory Plus (3.5)	Obtaining from 69% to 76% correct answers on the test
Satisfactory (3.0)	Obtaining from 61% to 68% correct answers on the test

Grade:	Criteria for courses ending with an exam
	<p>By decision of the Rector, Diploma Exam of Prosthodontics may be performed by distance education techniques.</p> <p>The Diploma Exam of the subject Prosthodontics is composed of two parts: Practical Exam and Theoretical Exam.</p> <p>I. Practical exam</p> <p>The condition to take the practical exam - obtaining credits for clinical classes, including performing the above mentioned norms necessary to receive a credit, and passing the final credit test</p> <p>The person who approves students to take the practical exam is an teacher conducting clinical classes.</p> <p>The practical exam is carried out as a three-station stage , all necessary to receive a credit:</p> <ul style="list-style-type: none"> a) assessment of the conditions for prosthetic treatment based on radiological survey (pantomographs x-ray) b) analysis of plaster models with missing teeth and evaluation (planning) of prosthetic treatment (c) performance of the clinical stage of prosthetic treatment on a randomly assigned patient <p>4. Student will take the practical exam only with adjuncts, excluding the person with whom he/she has practiced</p> <p>Criteria for passing the practical exam:</p> <ul style="list-style-type: none"> (a) the student is able of evaluating the type and range of missing teeth, the condition of the bone base, the quality of potential pillar teeth, the correctness of potential endodontic treatment.



	<p>b) the student is able to assess the type and extent of missing teeth, the condition of the prosthetic base, the quality of potential pillar teeth, the correctness of potential endodontic treatment; can choose the correct prosthetic restoration for the diagnosed shortages, can correctly design the placement of brackets and other retention components; can provide at least two alternative treatment options.</p> <p>c) the student is able to perform the entrusted task in a correct and proper way (also the attitude to the patient is evaluated) in accordance with the principles of medical art and ethics</p> <p>II. Theoretical exam</p> <ol style="list-style-type: none"> 1. The theoretical exam is conducted in an oral form before the Head of the Department of Prosthetic Dentistry, in the presence of at least one other teacher. 2. In order to take the final theoretical diploma exam student must receive positive grades from the final credit test and the practical exam. 3. The exam is composed of three randomly selected sets of questions. 4. Each set includes one question from Dental Materials, one from Laboratory Techniques, and one from Clinical Procedures of Prosthetic Restorations . 5. The student is granted the right to change the set of questions once, however, it results to lowering the final grade by 1.
	<p>Criteria for grade from the theoretical exam:</p>
<p>Very Good (5.0)</p>	<p>Achievement of the expected learning outcomes including all three disciplines of prosthodontics. Obtaining at least above good grade(4,5) at practical exam. Error-free answer to each question., taking into consideration modern reports on materials and methods.</p>
<p>Good Above (4.5)</p>	<p>Achievement of the expected learning outcomes including all three disciplines of prosthodontics. Obtaining at least good (4,0) grade at practical exam Satisfactorily answer for each question based on textbooks, lectures and seminars.</p>
<p>Good (4.0)</p>	<p>Achievement of the expected learning outcomes including all three disciplines of prosthodontics. Obtaining at least a satisfactory plus (3,5) grade in the practical exam. Complete answer for each question or containing insignificant flaws.</p>
<p>Satisfactory Plus (3.5)</p>	<p>Achievement of the expected learning outcomes including all three disciplines of prosthodontics. Obtaining at least satisfactory (3,0) a grade at the practical exam. Answering at least two questions correctly or answering three questions insufficiently.</p>
<p>Satisfactory (3.0)</p>	<p>Achievement of the expected learning outcomes including all three disciplines of prosthodontics. Obtaining at least a passing grade in the practical exam. Answering each question with significant errors or a comple answer for only only two of the questions.</p>
<p>Insufficient (2.0)</p>	<p>Achievement of the expected learning outcomes including all three disciplines of prosthodontics. Receiving a failing grade at practical exam. Answering each question with significant errors or failing to answer two topics contained in the questions, even with a correct complete answer to one question in the set.</p>

Unit realizing the course:	Department of Prosthetic Dentistry
Unit address:	Krakowska St.26, 50-425 Wrocław
Telephone:	71/784 02 91
E-Mail:	protetyka.stom@umed.wroc.pl

Person responsible for the course:	Associate professor Dr Edward Kijak DMD, MSc, PhD
Telephone:	71 78 40 277
E-Mail:	edward.kijak@umed.wroc.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Zdzisław Bogucki	Associate profesor, DMD, MSc, PhD	Medical science	dentist	MC,SE
Grzegorz Chmiel	DMD, MSc, PhD	-	dentist	MC,SE
Tomasz Dąbrowa	DMD, MSc, PhD	Medical science	dentist	MC,SE
Agnieszka Nowakowska-Toporowska	DMD, MSc, PhD	Medical science	dentist	MC,SE
Piotr Napadtek	DMD, PhD	Medical science	dentist	MC,SE
Natalia Brusilowicz	DMD, MSc	Medical science	dentist	MC,SE
Natalia Grychowska	DMD, MSc	Medical science	dentist	MC,SE
Błażej Gajos	DMD	-	dentist	MC,SE

Date of Syllabus development

07.07.2021r.

Syllabus developed by
Associate professor Dr Edward Kijak DMD, MSc, PhD
Amadeusz Kuźniarski DMD

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ
LEKARSKO-STOMATOLOGICZNY
DZIEKAN
Dean's signature
prof. dr hab. Marcin Mikulewicz

Uniwersytet Medyczny we Wrocławiu
KATEDRA I ZAKŁAD
PROTETYKI STOMATOLOGICZNEJ
adiunkt
dr hab. n. med. Edward Kijak