

COURSE UNIT DESCRIPTION

Course unit title	Code
Prosthodontics II/IV Removable partial dentures (RPD)	

Lecturer(s)	Department(s)
Coordinating: Assoc. Prof. Vygandas Rutkūnas Others: Lect. Rolandas PLETKUS Assist. Prof. Vytenis ALMONAITIS Prof. Tomas LINKEVIČIUS Assist. Prof. Rita TRUMPAITĖ - VANAGIENĖ Assist. Prof. Egle VINDAŠIŪTĖ - NARBUTĖ Assist. Prof. A. GEDRIMIENĖ Lect. Justinas PLETKUS Lect. Paulius ANDRIJAUSKAS	Institute of Odontology, Faculty of Medicine, Vilnius University

Cycle	Level of the course unit	Type of the course unit
cycle (integrated studies)	2 from 4	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Auditorial	III year, VI semester	English

Prerequisites and corequisites	
Prerequisites: Student must have completed all previous courses according to the study program, including: Human anatomy, Physiology, Human biology and fundamentals in dental genetics, Pathology, Microbiology and oral ecosystem, Public oral health, Diagnosis and treatment fundamentals of oral and dental diseases, Development of odontology. Law and management of dental care. Ethics, Fundamentals of radiology: general and dental radiology, Pharmacology. Clinical pharmacology. Laboratory medicine, Oral surgery, Prosthodontics.	Corequisites (if any): A student must have fulfilled all minimal clinical requirements in Prosthodontics listed up to this semester. All presentations and clinical tasks from previous semesters should be evaluated with passing score.

Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
7	188	94	94

Purpose of the course unit Programme competences to be developed		
Purpose – to develop a professional attitude of dental specialty students, self-sufficiency and familiarisation, knowledge and competency to diagnose and treat partial secondary edentulism by means of RPD properly and on time; to train ability to communicate with patients irrespective of their social and cultural background, to effectively present the treatment plan, procedures, alternatives and possible complications to the patients, to continue to seek additional knowledge and skills throughout the careers.		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods*
Will be able to: communicate with patient respectfully and constructively, according to ethical and law standards; manage all medical documentation and follow hygiene standards.	Lectures, analysis of clinical cases, self-study, consultations, clinical practice	Tests (multiple-choice questions, short note) Clinical minimal requirements

Will be knowledgeable about stages of patient examination, indications and contraindications of prosthodontics and rationale of treatment planning, mouth preparation for RPD, their types and construction	Lectures, analysis of clinical cases, self-study, consultations, laboratory work, clinical practice	Tests (multiple-choice questions, short note); Tasks during the involving lectures; Clinical station (OSCE)
Will be knowledgeable about clinical and laboratory stages of RPD fabrication and relevant dental materials		
Will be knowledgeable about peculiarities of adaptation, follow-up, corrections of RPD, possible complications and their solutions		
Will be able to do a comprehensive examination of oral status while using proper diagnostic instruments and measures; to evaluate prognosis of individual teeth and plan the design of RPD following evidence-based principles as much as possible.	Lectures, discussions in small groups (problem-based learning), analysis of clinical cases, self-study, consultations, clinical practice	Clinical station (OSCE) Clinical minimal requirements
Will be able to present preliminary and alternative treatment plans to the patient, to implement mouth preparation procedures and to consult with specialists from other disciplines effectively		
Will be able to make alginate impressions and diagnostic casts, mount the casts on articulator, to analyze and effectively communicate with dental technician		

* - list of minimal clinical requirements is presented in Appendix 1.

Topics	Contact work hours						Time and tasks of self-study		
	Lectures	Consultations	Seminars	Practice	Laboratory work	Practical training	Total contact hours	Self-study	Tasks
1. Introduction. Classification of dental arch defects. RPD anatomy I. Major and minor connectors, types of rests and tooth preparation for them	2			11			13	13	Comprehensive examination of patient's stomatognathic system (clinical and radiological) and presentation of treatment plan. Diagnostic casts mounted on articulator. Description of prognosis of remaining teeth.
2. RPD anatomy II. Direct retainers. Indirect retainers. Denture teeth. Biomechanics of RPD.	2			11			13	13	
3. Patient examination I. Patient interview. Initial examination. Diagnostic impressions and casts. Centric relation record. Mounting of diagnostic casts into articulator. Articulators. Intraoral examination. Radiologic evaluation.	2			11			13	13	
4. Surveying. Designing RPD.	2		2	11			15	13	To prepare a presentation about relevant topic in prosthodontics following evidence-based approach.
5. Mouth preparation. Definitive impressions. Master cast. Laboratory procedures. Fitting the framework in the mouth. Impression taking in free-end saddle cases.	2			11			13	13	
6. Occlusal relationships. Try-in of waxed RPD. Laboratory completion of RPD. Delivering the RPD. Adaptation to dentures and	2			11			13	13	

possible complications. Patient postprosthetic care.									
1. Immediate, temporary etc. partial dentures. Utilization of attachments with RPDs. Partial and complete overdentures.	2	1	2	9			14	16	
Total	14	1	4	75			94	94	

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Accumulative assessment (all components of the cumulative score must be passed no less than score 5) Obligatory attendance of seminars and practice			
Test	60%	During semester	The test consists of open-ended questions or a clinical situation or definition. The test is carried out during the practice, at least 1 week after the lecture corresponding to the test questions. Students are introduced to the subject of written tests and lectures in advance. The overall test score is written by summing up the points of the individual questions and dividing it by the number of questions. The minimum passing score for each test is 5. Failed tests are allowed to be retaken once during the semester. The total score of the test is written at the end of the semester, summing up the average of all the test scores performed and dividing it by the number.
Presentation	10%		Assessment criteria: - Structure, coverage, quality of visual material (2 points); - Clarity of presented knowledge, argumentation, raising of key questions (2 points); - Presentation of conclusions and analysis (2 points); - Clinical recommendations (2 points); - Discussion, management of questions, time managements (2 points). Minimal passing score – 5.
Assessment of practical work	30%		Assessment is based on the number of performed minimum clinical procedures. Clinical minimum procedures and their evaluation criteria are presented in the appendix. Minimal passing score – 5.
Exam (must be no less than score 5)			
Testas	100%	During examination session	Closed-ended and open - ended questions. 50% type I, one correct answer from 4, 40% type II, 2-3 correct answers from 5, 10% type III clinical situation or description. Every answer is evaluated 0 or 10 points. Total points for test: the sum of all points divided from number of questions. Examination is considered to be passed if correct answer is given to 50%. and more questions. 91-100 percent - 10 points (excellent); 81-90 percent - 9 points (l. Well); 71-80 percent - 8 points (good); 61-70 percent - 7 points (average); 56-60 percent - 6 points (satisfactory); 50-55 percent - 5 points (weak); 41-49 percent - 4 points (unsatisfactory);

			31-40 percent - 3 points (unsatisfactory); 21-30 percent - 2 points (unsatisfactory); 11-20 percent - 1 point (unsatisfactory); 0-10% - 0 points (not rated).
Final assessment			
Exam:	50%	During examination session	The score of the exam consists of the theoretical part of the exam.
Accumulative score	50%		The accumulative score is calculated as the average of accumulative scores from two semesters

The final assessment will be calculated by the formula:

$FA = ((CA1 + CA2) / 2 + EX) / 2$ where:

FA- final assessment

CA1, CA2 - accumulative assessments from two semesters

EX - exam score

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and publisher or Internet link
Required reading				
Phoenix RD, Cagna DR, Deforest CF.	2003	Stewart's Clinical Removable Partial Prosthodontics (3rd Ed)	1-261;273-351; 367-475 p.	Chicago, Quintessence Pub
McGivney GP, Carr AB	2000	McCracken's Removable Partial Prosthodontics. 10 th ed.; 2000.	173-197; 355-377 p.	St.Louis, Mosby
Recommended reading				
Preiskel HW..	1996	Overdentures Made Easy: A Guide to Implant and Root Supported Protheses	21-139 p.	1st ed. London: Quintessence Pub.; 1996.
Ai M, Shiau Y.	2004	New Magnetic Applications In Clinical Dentistry	58-97 p.	Tokyo, Quintessence Pub., 2004
Sources related to subject available through subscribed databases of Library of Vilnius University: http://www.mb.vu.lt/istekliai/ https://www.clinicalkey.com				