COURSE UNIT DESCRIPTION

Course unit title	Code
Prosthodontics I/IV **Complete dentures (CD)**	

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

Cycle	Level of the course unit	Type of the course unit
cycle (integrated studies)	1 from 4	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Auditorial	III year, V semester	Lithuanian

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
5	134	80	54

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 total secondary edentulism by means of complete dentures 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 respectively and constructively, according to ethical and law standards; manage all medical documentation and follow hygiene standards.	Lectures, analysis of clinical cases, self-study,	Tests (multiple-choice questions, short note) Clinical minimal requirements

	consultations, clinical practice	
Will be knowledgeable about stages of patient examination, indications and contraindications of prosthodontics and rationale of treatment planning, mouth preparation for complete dentures, 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 complete dentures fabrication and relevant dental materials		
Will be knowledgeable about peculiarities of adaptation, follow-up, corrections of complete dentures, 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 complete dentures 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 analyse 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. Anatomy of edentulous maxille and mandible	2			8			**10**	**8**	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. Examination of edentulous patient.Diagnosis and prognosis	2			8			**10**	**8**	
3. Improving the patient's denture bearing areas.Surgical management of soft and hard tissues	2			8			**10**	**8**	
4. Preliminary alginate impressions. Construction of the custom tray Final impressions	2		1	9			**12**	**8**	
5. Identification of shape and location of arch form.Denture recording base and occlusion rims Determining vertical dimension of occlusion.Orientation lines smile canine centric	2			9			**11**	**8**	
6. Selecting and arranging artificial teeth. Try-in appointment.Verification of trial dentures	2			9			**11**	**7**	
7. Denture insertion and maintenance	2	1	1	10			**14**	**7**	To prepare a presentation about relevant topic in prosthodontics following evidence-based approach.
Total	**14**	**1**	**2**	**61**			**80**	**54**	

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.

Accumulative assessment will constitute 25% of final assessment, which 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				
R.M.Basker,J.C.Davenport, H. R. Tomlin.	2011	Prosthetic treatment of the edentulous patient. 5th edition	20-228 p	London, Macmillan
M. I. MacEntee.	1999	The Complete Denture.A Clinical Pathway.	4-135p	Chicago, Quintescence Pub.
Recommended reading				
G.A.Zarb, Ch.L.Bolender, G.E,Carlsson	1997	„Boucher‘s Prosthodontic Treatment for Edentulous Patients“ 11-th editon	20-550 p	St.Louis, Mosby
J.I.Cawood and R.A.Howell.	1988	A classification of the edentulous jaws	17: 232-236	Int. J. Oral Maxillofac. Surg.

Sources related to subject available through subscribed databases of Library of Vilnius University:
http://www.mb.vu.lt/istekliai/ https://www.clinicalkey.com