2025/2026

Univerza v Mariboru

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	**Parodontologija 1**
Course title:	**Periodontology 1**

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
Dentalna medicina/Dental Medicine 2. stopnja/2nd cycle		**4**	**8**

Vrsta predmeta / Course type Obvezni/ Compulsory

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
15	**30**				**45**	**3**

Nosilec predmeta / Lecturer: **Izr. prof. dr. Davor Kuiš**

Jeziki / Languages:	**Predavanja / Lectures:**	slovenščina/slovene
	Vaje / Tutorial:	

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Prerequisits:

Vsebina:

Anatomija peridontalnih tkiv, mikrobiologija (oralni biofilmi in zobni kamen, patogeneza parodontalnih in periimplantnih okužb); načrt (protokol) pregleda pacientov; protokoli načrtovanja zdravljenja in sistemska faza zdravljenja; parodontalna terapija: 1. korak: mehanična in kemična kontrola zobnih oblog, motivacijski intervju, supragingivalno odstranjevanje zobnih oblog in zobnega kamna; 2. korak: subgingivalna instrumentacija; ponovno ocenjevanje; 3. in 4. korak: parodontalno podprta terapija, klasifikacija parodontalnih in periimplantnih bolezni in stanj (parodontalno zdravje in gingivalne bolezni in stanja, parodontitits, parodontalno pojavljanje sistemskih bolezni in razvojna ter pridobljena stanja, periimplantne bolezni in stanja).

Content (Syllabus outline):

Anatomy of periodontal tissues; Microbiology (oral biofilms and calculus); Pathogenesis of periodontal and periimplant infection; patient examination protocols; therapy planning protocols and systemic phase of therapy; periodontal therapy: 1st step: mechanical and chemical plaque control; motivational interview; supraginngival removal of plaque and calculus; 2nd step: subgingival instrumentation; re-evaluation, 3rd and 4th step: supportive periodontal therapy; classification of periodontal and periimplant diseases and conditions (periodontal health and gingival diseases and conditions; periodontitis; periodontal manifestations of systemic diseases and developmental and acquired conditiones; periimplant diseases and conditions.

Temeljni literatura in viri / Readings:

1. Jan Lindhe, Niklaus P. Lang, Thorkild Karring. Lindhe's Clinical Periodontology and Implant Dentistry, 7th edition, Oxford, Wiley Blackwell Publishing Ltd., 2022.

2. Niklaus P. Lang, Tord Berglundh, William V. Giannobile, Mariano Sanz. Lindhe's Clinical Periodontology and Implant Dentistry, 2 Volume Set, 7th Edition, Oxford, Wiley Blackwell Publishing Ltd., 2022.

3. Michael G. Newman, Henry Takei, Perry R. Klokkevold, Fermin A. Carranza. Newman and Carranza's Clinical Periodontology, 14th Edition, Philadelphia, WB Saunders Co., 2023.

Cilji in kompetence:	Objectives and competences:
Cilj predmeta je poznavanje osnov parodontologije v smislu poznavanja osnovne terminologije, osnovnih diagnostičnih orodij in postopkov, osnovnih elementov strokovne in osebne oskrbe za zdravje ustne votline, predvsem podpornih in obzobnih tkiv ustne votline. Poleg tega mora študent poznati osnove histologije, anatomije, morfologije in topografske značilnosti podpornega aparata zob in zobnih vsadkov; osnove etiopatogeneze parodontalnih in periimplantnih bolezni ter osnove zdravljenja parodontalnih in periimplantnih bolezni. Praktični del predmeta se sestoji iz predkliničnega dela, kjer študent pridobi znanja in veščine potrebne za izvajanje celovite parodontološke terapije.	The aim of the course is to teach students basics of periodontology, e.g. introduction of the basic terminology, basic diagnostic means and procedures, basic elements of professional and personal oral health care, especially the supporting tissues and soft tissues of the oral cavity. Furthermore, the student must, upon completion of the course, be familiar with histological, anatomical, morphological and topographic properties of the supporting tissues of both teeth and implants, basics of etiopathogenesis of periodontitis and periimplantitis, as well as basics of the therapy of periodontal and periimplant diseases. Practical component of the course is comprised of pre-clinical practice where students will gather knowledge necessary for understanding the basics of mechanical therapy and acquirement of conditions which are prerequisite for the overall periodontal therapy.
Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje, ki ga študent pridobi: mikroskopske, klinične in rentgenske značilnosti parodontalnih in periimplantnih bolezni; vloga bakterij v etiologiji parodontalnih in periimplantnih bolezni, vloga gostitelja pri etiologiji parodontalnih in periimplantnih bolezni; patogeneza in klinična slika parodontalne in periimplantne bolezni; interakcije parodontalnih in sistemskih bolezni. Spretnosti, ki jih študent pridobi in obvlada: prepoznavanje parodontološkega instrumentarija, držanje in uporaba ročnih instrumentov za instrumentacijo površine korenine, supragingivalna ročna instrumentacija na modelu, subgingivalna ročna instrumentacija na modelu, sondiranje na modelu čeljusti.	Knowledge which needs to be demonstrated at the end of the course: microscopic, clinical and radiological properties of periodontal and periimplant diseases; role of bacteria in etiology of periodontal and periimplant disease; role of the host in etiology of periodontal and periimplant diseases; pathogenesis and natural course of periodontal and periimplant diseases; interactions between periodontal and systemic diseases. Skills to be mastered at the end of the course: recognition of periodontal instruments, handling and use of manual instruments used for root debridement, supragingival manual scaling on artificial jaws, subgingival manual scaling on artificial jaws, probing on artificial jaws.
Metode poučevanja in učenja:	**Learning and teaching methods:**
Predavanja Seminarji	Lectures Seminars

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Seminarska naloga	25 %	Seminar paper
Praktični izpit	35 %	Practical exam
Pisni izpit	40 %	Written exam
OPOMBE		NOTES
Seminarska naloga: izdelava in ustna predstavitev		Seminar paper: making of and oral presentation

Reference nosilca / Lecturer's references:

1. Pilloni A, Zeza B, **Kuis D**, Vrazic D, Domic T, Olszewska-Czyz I, Popova C, Kotsilkov K, Firkova E, Dermendzieva Y, Tasheva A. Treatment of residual periodontal pockets using a hyaluronic acid-based gel: a 12 month multicenter randomized triple-blinded clinical trial. Antibiotics. 2021 Jul 30;10(8):924.

2. Oguić M, Čandrlić M, Tomas M, Vidaković B, Blašković M, Jerbić Radetić AT, Zoričić Cvek S, **Kuiš D**, Cvijanović Peloza O. Osteogenic potential of autologous dentin graft compared with bovine xenograft mixed with autologous bone in the esthetic zone: Radiographic, histologic and immunohistochemical evaluation. International Journal of Molecular Sciences. 2023 Mar 29;24(7):6440.

3. Begić G, Badovinac IJ, Karleuša L, Kralik K, Cvijanovic Peloza O, **Kuiš D**, Gobin I. Streptococcus salivarius as an Important Factor in Dental Biofilm Homeostasis: Influence on Streptococcus mutans and Aggregatibacter actinomycetemcomitans in Mixed Biofilm. International Journal of Molecular Sciences. 2023 Apr 14;24(8):7249.

4. Tomas M, Karl M, Čandrlić M, Matijević M, Juzbašić M, Peloza OC, Radetić AT, **Kuiš D**, Vidaković B, Ivanišević Z, Kačarević ŽP. A Histologic, Histomorphometric, and Immunohistochemical Evaluation of Anorganic Bovine Bone and Injectable Biphasic Calcium Phosphate in Humans: A Randomized Clinical Trial. International Journal of Molecular Sciences. 2023 Mar 14;24(6):5539.