2025/2026

Univerza v Mariboru

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	**Preventivna dentalna medicina in oralna higiena**
Course title:	**Prevention in Dentistry and Oral Hygiene**

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**	**7**

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
30	**30**		**20**		**70**	**5**

Nosilec predmeta / Lecturer: **red. prof. dr. Danko Bakarčić**

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

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

Prerequisits:

Vsebina:

Pomen preventivne dentalne medicine. Vloga plaka pri pojavu parodontalne bolezni. Obrambne sposobnosti in obrambni sistemi organizma. Osebna ustna higiena: krtače in tehnike ščetkanja, zobna pasta, pomožna sredstva. Aktivnost in uporaba fluorida. Metode sistemskih in lokalnih aplikacij fluorida. Zalivanje fisur in polnjenje. Testi aktivnosti kariesa in ocena tveganja za karies. Vpliv prehrane na nastanek kariesa in prehransko svetovanje.
Epidemiologija bolezni in bolezni zoba in parodonta. Zdravstvena vzgoja, skupinski in individualni preventivni programi.

Content (Syllabus outline):

Significance of preventive dentistry. The role of plaque in the emergence of periodontal disease. Defensive abilities and defence systems of the organism. Personal oral hygiene: brushes and brushing techniques, toothpaste, auxiliary agents. Fluoride activity and application. Methods of systemic and topical fluoride applications. Fissure sealing and preventive resin restorations. Caries activity tests and caries risk assessment. Influence of nutrition on caries formation and diet counselling. Disease and periodontal disease epidemiology. Health education, group and individual prevention programs.

Temeljni literatura in viri / Readings:

- D. Bakarčić, N Ivančić Jokić. Osnove prevencije karijesa i parodontnih bolesti. Split: Redak; 2013.
- Harris NO, Garcia-Godoy F, Nielsen Nathe C. Primary preventive dentristry 8th ed. Harlow, Essex: Pearson Education Limited; 2014.

Cilji in kompetence:

Vsebina študija/predmeta je namenjena seznanitvi študentov z materiali s področja preprečevanja zobnih boleznih. Gre predvsem za spodbujanje oralnega zdravja in preprečevanje oralnih bolezni, pa tudi poznavanje etiopatogeneze oralnih bolezni ter vlog in odgovornosti zobozdravnika pri zagotavljanju oralnega zdravja posameznika in skupnosti.

Objectives and competences:

This course is designed to introduce students to the subject matter in the field of prevention of diseases related to dental medicine. The subject is the promotion of oral health and prevention of oral diseases, but also knowledge of the etiopathogenesis of oral diseases and the roles and responsibilities of the dentist in providing oral health of individuals and in the community.

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Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: • Poznavanje etiologije oralnih bolezni. • Poznavanje dejavnikov tveganja za oralno bolezen. • Poznavanje diagnostičnih možnosti za diagnozo oralnih bolezni. • Samostojno svetovanje za kontrolo dejavnikov tveganja za oralno bolezen. • Samostojno analiziranje prehrane in svetovanje o prehrani v smislu preprečevanja oralnih bolezni. • Samostojno izvajanje zobozdravstvene vzgoje. • Poznavanje in uporaba metodologije komuniciranja, motiviranja in poučevanja med zobozdravstvenim izobraževanjem. • Poznavanje načinov preprečevanja kariesa (lokalna aplikacija fluora in remineralizacijskih sredstev, zalivanje fisur, kemična kontrola plaka). •Samostojna uporaba metod fluoridacije in remineralizacije za preprečevanje kariesa. • Vodenje zdravstvene dokumentacije. •Spremljanje epidemioloških kazalnikov ustnih bolezni. Znanja in spretnosti so podrobneje opisane v Katalogu znanj in spretnosti.	Knowledge and understanding: • knowledge of the etiology of oral disease • knowledge of risk factors for oral diseases • knowledge of diagnostic possibilities in diagnosis of oral diseases • independently counselling for controlling risk factors for oral diseases • independent analyse the diet counselling, but in terms of prevention of oral diseases • independent conduct of dental health education • knowledge and application of the methodology of communication, motivation and teaching during the dental health education • knowledge of methods of caries prevention (local application of fluorides and remineralisation agents, fissure sealing, chemical plaque control) • independent application of fluoridation and remineralisation methods for caries prevention • keeping medical records • monitoring the epidemiological indicators of oral diseases. Knowledge and skills are described in more detail in the Catalogue of Knowledge and Skills.

Metode poučevanja in učenja:	**Learning and teaching methods:**
Predavanja Seminarji Klinične vaje	Lectures Seminars Clinical training

Načini ocenjevanja:	Delež (v %) / Weight (in %)	**Assessment:**
Način (pisni izpit, ustno izpraševanje, naloge, projekt):		Type (examination, oral, coursework, project):
Seminarska naloga	10%	Seminar paper
Klinične vaje	60%	Clinical work
Pisni izpit	30%	Final written exam
Skupaj	100 %	Total

Reference nosilca / Lecturer's references:

-Bakarčić D, Vlah N, Cicvarić O, Petrović D, Šimunović-Erpušina M, Janković S, Dragaš Zubalj N, Kresina S, Mohorić S, Gržić R, et al. An Oral Health Promotion Model Implemented in the Primorje-Gorski Kotar County. *Medicina*. 2025; 61(2):217.

-Ivančić Jokic N, Matičić L, Šimunović Erpušina M, Petrović D, Cicvarić O, Bakarčić D. Dental Anxiety Among Students of the University of Rijeka, CroatiaActa stomatol Croat. 2024;58(2):177-184. DOI: 10.15644/asc58/2/7

-Petrovic D. Cicvaric O. Šimunovic-Erpušina M. Ivancic Jokic N. Bakarcic D. Bucevic Sojcic P. Juric H. The Role of Family Factors in the Development of Dental Anxiety in Children. Medicina 2024, 60, 180.https://doi.org/10.3390/medicina60010180

-Cicvaric O, Grzic R, Siminovic Erpusina M, Ivancic Jokic N, Bakarcic D. Association of masticatory efciency with deep carious lesions in children. European Archives of Paediatric Dentistry

-Cicvarić O, Gržić R, Šimunović-Erpušina M, Simonić-Kocijan S, Bakarčić D, Ivančić Jokić N. Association of Masticatory Efficiency and Reduced Number of Antagonistic Contacts Due to Extraction, Changing Dentition or Malocclusion in Children. Dent. J. 2023, 11, 64.