



Univerza v Mariboru

UČNI NAČRT PREDMETA / COURSE SYLLABUS

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|--------------------------------|----------------------------------------------------------------------|
| Ime predmeta: Course title: | Interdisciplinarnost stomatologije Interdisciplinary of dentistry |
|--------------------------------|----------------------------------------------------------------------|

| Študijski program in stopnja Study programme and cycle | Študijska smer Study option | Letnik Year of study | Semester Semester |
|-----------------------------------------------------------|--------------------------------|-------------------------|----------------------|
| Biomedicinska tehnologija, 3. stopnja | / | 2 | 3 ali 4 |
| Biomedical Technology, 3rd Degree | / | | |

Vrsta predmeta (obvezni ali izbirni) /
Course type (compulsory or elective)

Izbirni

Elective

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 | 20 | 10 | | | | | 135 | 6 |
| | | AV | LV | RV | | | | |

Nosilec predmeta / Course
coordinator:

Doc. dr. Anita Fekonja

Jeziki /Languages:

Predavanja / Lectures:

slovenski/slovenian

Vaje / Tutorial:

slovenski/slovenian

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

Prerequisites for enrolling in the course or for
performing study obligations:

Vsebina (kratek pregled učnega načrta):

Content (syllabus outline):

Poglobljeni študij orofacialnega področja:
-embriologija, rast in razvoj orofacialnega področja
-etiologija nepravilnosti
-epidemiologija in dejavniki tveganja nastanka nepravilnosti
-diagnostični postopki
-načini zdravljenja

Poudarek na sodobnih diagnostičnih metodah in interdisciplinarnem sodelovanju zdravljenja
Spoznavanje raziskovalnih načel na področju stomatologije in aktualni raziskovalni trendi na tem področju
Področje posebnega zanimanja bodo dodajalne tehnologije na področju stomatologije

Intensive studies orofacial complex:
- embryology, growth and development of orofacial complex
-etiology of malocclusion and orofacial syndromes
-epidemiology and risk factors
-diagnostic procedures
-treatment modalities

Emphasis on contemporary diagnostic methods and interdisciplinary treatment of dental medicine.
Acquaintance with principles of research and current research trends in the field of dental medicine.
The field of particular interest will be additive manufacturing in the field of dental medicine.

Temeljni literatura in viri / Reading materials:

- Berkovitz BKB, Holland GR, Moxham BJ. Oral anatomy, histology and embriology. 5. izdaja. Elsevier, 2018.
- Proffit WR, Fields HW, Larson BE, Sarver DM. Contemporary orthodontics. 6. izdaja. Elsevier, 2019.
- Bergenholtz G, Horsted-Bindslev P, Reit C. Textbook of Endodontology. 2. izdaja. Wiley-Blackwell, 2009.
- Linde J, Lang P, Karring T. Clinical Periodontology and Implant Dentistry. 5. izdaja, Copenhagen; Munksgaard, 2008.
- Nanci A. Oral Histology, development, structure and function. 8. izdaja, 2012.
- FEKONJA, Anita. Morphological diversity of permanent maxillary lateral incisors and their impact on aesthetics and function in orthodontically treated patients. Diagnostics. Oct. 2022, vol. 12, iss. 11, str. 1-12, ilustr. ISSN 2075-4418. <https://www.mdpi.com/2075-4418/12/11/2759>, DOI: 10.3390/diagnostics12112759. [COBISS.SI-ID 131407107],

Cilji in kompetence:

Znanje o rasti in razvoju orofacialnega področja ter vzrokih nastanka nepravilnosti in sindromov

Diagnostični postopki
Načini zdravljenja – klasične in nove tehnologije

Spoznati nove trenutno aktualne diagnostične in terapevtske možnosti dentalne medicine.
Raziskovalni principi na področju dentalne medicine.
Spoznavanje in usmeritev na posamezna raziskovalna področja dentalne medicine.

Objectives and competences:

Knowledge of the growth and development of the orofacial complex and etiology of malocclusion and syndromes
Diagnostic procedures
Treatment modalities – classic and new technologies
To learn about new current diagnostic and therapeutic options of dental medicine.
Research principles in the field of dental medicine.

Getting acquainted with and focusing on particular areas of dentistry research.

Predvideni študijski rezultati:

Znanje in razumevanje:
Kandidat mora po zaključku predavanj, seminarjev in vaj obvladati v programu zastavljene cilje.

Prenosljive/ključne spretnosti in drugi atributi:
Poznavanje etiologije, diagnostičnih metod in načinov zdravljenja z uporabo sodobnih materialov in tehnologij.
Poznavanje interdisciplinarnega sodelovanja dentalne medicine.

Intended learning outcomes:

Knowledge and understanding:
After completing the lectures, seminars and practical work the candidate has to mater the goals set in the program.

Transferable/key competences and other abilities:
Knowledge of etiology, diagnostic methods and treatment using modern materials and technologies.
Knowledge of interdisciplinary collaboration in dental medicine.

Metode poučevanja in učenja:

Predavanja
Slikovni prikazi primerov
Seminarji pod vodstvom mentorja
Vaje - praktično delo

Learning and teaching methods:

Lectures
Visual presentation of cases
seminars with collaboration of the mentor
practical work

| Načini ocenjevanja: | Delež (v %) / Share (in %) | Assessment methods: |
|---------------------|-------------------------------|---------------------|
| Seminarska naloga | 100 % | Seminar paper |

Reference nosilca / Course coordinator's references:

FEKONJA, Anita. Morphological diversity of permanent maxillary lateral incisors and their impact on aesthetics and function in orthodontically treated patients. *Diagnostics*. Oct. 2022, vol. 12, iss. 11, str. 1-12, ilustr. ISSN 2075-4418. <https://www.mdpi.com/2075-4418/12/11/2759>, DOI: 10.3390/diagnostics12112759. [COBISS.SI-ID 131407107], [JCR, SNIP, WoS do 6. 5. 2024: št. citatov (TC): 2, čistih citatov (CI): 2, čistih citatov na avtorja (CIAu): 2.00, Scopus do 16. 5. 2024: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 1.00] kategorija: 1A2 (Z, A1/2); uvrstitev: SCIE, Scopus, MBP (DOAJ, INSPEC, PUBMED); tip dela je verificiral OSICM točke: 87, št. avtorjev: 1

FEKONJA, Anita, ČRETNIK, Andrej. Comparison of craniofacial morphology in individuals with and without hypodontia with a special focus on the number of congenitally missing teeth. *Frontiers in public health*. 2022, [vol.] 10, str. 1-9. ISSN 2296-2565. <https://www.frontiersin.org/articles/10.3389/fpubh.2022.1013862/full>, <https://doi.org/10.3389/fpubh.2022.1013862>, DOI: 10.3389/fpubh.2022.1013862. [COBISS.SI-ID 130493187], [JCR, SNIP] kategorija: 1A1 (Z, A', A1/2); uvrstitev: SSCI, SCIE, Scopus, MBP (MEDLINE, PUBMED, DOAJ); tip dela še ni verificiran točke: 63.99, št. avtorjev: 2

ČRETNIK, Andrej, FEKONJA, Anita. The use of selective laser melting in mandibular retrognathia correction. *Metals*. Sep. 2022, vol. 12, issue 9, str. [1]-10, ilustr. ISSN 2075-4701. <https://doi.org/10.3390/met12091544>, <https://www.mdpi.com/2075-4701/12/9/1544>, DOI: 10.3390/met12091544. [COBISS.SI-ID 122131203], [JCR, SNIP, WoS, Scopus] kategorija: 1A2 (Z, A1/2); uvrstitev: SCIE, Scopus, MBP (INSPEC, METADEX, DOAJ); tip dela je verificiral OSICM točke: 46.9, št. avtorjev: 2