Univerza v Mariboru

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	**Derematovenerologija**
Course title:	**Dermatovenerology**

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biomedicinska tehnologija/Biomedical Technology 3. stopnja/3rd Degree		2	3 ali 4

Vrsta predmeta / Course type	Izbirni/Elective
Univerzitetna koda predmeta / University course code:	

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. Delo Individ. Work	ECTS
15	30				105	5

Nosilec predmeta / Lecturer:	Izr. prof. dr. Jovan Miljković

Jeziki / Languages:	**Predavanja / Lectures:**	Slovenščina / Slovene
	Vaje / Tutorial:	-

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites:**
Kandidat mora doseči 300 ECTS na predhodnem študiju.	Graduate degree 300 ECTS

Vsebina:	**Content (Syllabus outline):**
GENODERMATOZE: pomen genetike v dermatologiji pomen epidemiologije v dermatologiji molekularne osnove dednih kožnih bolezni - bolezni zaradi nepravilnosti epitelijskih stikov - dedne bolezni keratinizacije - ektodermalne displazije - prirojene bolezni vezivnega tkiva - dedne bolezni zaradi nepravilnosti obnove DNA - pomen genetskega svetovanja - gensko zdravljenje dednih kožnih bolezni	GENODERMATOSES: - principles of medical genetics in skin diseases - epidemiology of hereditary skin disorders - the molecular basis of hereditary skin diseases - The epithelial adhesion disorders - keratinization disorders - The ectodermal dysplasia syndromes - hereditary connective tissue diseases - DNA repair disorders - genetic counselling - gene therapy in skin disease

Temeljni literatura in viri / Readings:

- Human Molecular Genetics 2. 2nd ed. Tom Strachan & Andrew P. Read.Oxford, UK BIOS Scientific Publishers Ltd
- Thompson & Thompson: Genetics in Medicine, 6th ed, WB Saunders Company, 2001
- Human genetics: problems and approaches, 3rd ed. F.Vogel, A.G.Motulski. Springer 1997
- Braun-Falco et al. Dermatology, 3rd ed., Springer 2005
- Rook' s Textbook of dermatology, 7th ed. Blackwell Publishing company 2004
- Jean L. Bolognia, e tal. Dermatology, 3rd ed. St. Louis, Mosby 2003

Cilji in kompetence:	**Objectives and competences:**
Omogočiti študentom pridobiti poglobljena znanja epidemiologije, molekularne biologije, genetike in obstoječih možnosti genske terapije dednih kožnih bolezni.	To expose the extensive knowledge of epidemiology, molecular biology, genetics and of novel approaches to gene therapy of hereditary skin disorders.

Predvideni študijski rezultati:	Intended learning outcomes:
Znanje in razumevanje: Poglobljeno znanje o epidemioloških, genetskih, in molekularnih vzrokih za nastanek genodermatoz kar omogoča razumevanje in raziskovanje vzrokov za pojav genodermatoz in tudi možnosti njihovega zdravljenja. **Prenesljive/ključne spretnosti in drugi atributi:** Ob izdelavi raziskovalnega projekta (naloge) se nauči epidemioloških in genetskih raziskovalnih metod in pravilnega vrednotenja pridobljenih rezultatov	**Knowledge and understanding:** The extensive knowledge of epidemiology, genetics and molecular basis of genodermatoses contribute to understanding and research the molecular basis of hereditary skin disorders and new possibilities to gene therapy. **Transferable/Key Skills and other attributes:** In preparing the doctoral theme the student learns to use the epidemiological and genetics research methods and the adequate analysis of acquired data.
Metode poučevanja in učenja:	**Learning and teaching methods:**
predavanja, seminarske naloge, samostojno delo	lectures, tutorials individual work

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
– seminarska naloga	30	– tutorial paper
– raziskovalni projekt	30	– research project
– zagovor	40	– oral presentation