

**DESCRIPTION OF COURSE UNIT FOR DOCTORAL STUDIES  
AT VILNIUS UNIVERSITY**

<b>Scientific Area/eas, Field/ds of Science</b>	Medical and Health Sciences (M 000): Medicine (M 001); Odontology (M 002); Public Health (M004)			
<b>Faculty, Institute, Department/Clinic</b>	Faculty of Medicine Institute of Clinical Medicine Clinic of Infectious Diseases and Dermatovenereology			
<b>Course unit title</b> (ECTS credits, hours)	<b>Dermatology</b> 8 credits (216 hours)			
<b>Study method</b>	<b>Lectures</b>	<b>Seminars</b>	<b>Consultations</b>	<b>Self-study</b>
Number of ECTS credits	-	-	2	6
<b>Method of the assessment</b> (in 10 point system)	Examination, oral form. 3 (three) open questions.			
<b>PURPOSE OF THE COURSE UNIT</b>				
<p>To improve theoretical and practical knowledge of dermatology and common skin conditions. To demonstrate an understanding of a holistic approach to the practice of dermatology, and the human organism, both as an integral part of clinical medicine, and also as disorders that frequently involve different body systems concurrently or sequentially.</p>				
<b>THE MAIN TOPICS OF THE COURSE UNIT</b>				
<p><u>General part:</u> etiology and pathogenesis of skin diseases. Classification of skin diseases. Anatomy, functions of the skin. Primary and secondary skin lesions. Dermatological examination of the patient. The most common auxiliary diagnostic methods in dermatology.</p> <p><u>General principles of treatment of skin disease:</u> emollients – definition, classification, application in the treatment of skin diseases. Classification of topical glucocorticoids, mechanism of action, side effects and their prevention. Photo(chemo)therapy in dermatology: indications, contraindications, side effects. Effects of UV rays on the skin. The spectrum of solar radiation and its effect on humans.</p> <p><u>Infectious skin diseases:</u> etiology, pathogenesis, clinic, treatment and prevention. Bacterial skin diseases: impetigo, ecthyma, folliculitis, skin abscess, furuncle and carbuncle, rose and cellulitis. Lyme disease. Parasitic skin diseases: scabies, lice. Fungal diseases of the skin and nails. Viral infections of the skin and mucous membranes: herpes simplex, herpes zoster, viral warts, molluscum contagiosum.</p> <p><u>Dermatitis,</u> its definitions, etiopathogenesis, clinic, diagnosis, treatment, prevention. Irritant and allergic contact dermatitis. Atopic, seborrheic, diaper, dyshidrotic, nummular, dry skin dermatitis.</p> <p><u>Papulosquamous skin diseases,</u> their definition, etiopathogenesis, risks and provoking factors, classification, clinical forms, their features, diagnostics and treatment: local, systemic, photo(chemo)therapy. Psoriasis. Lichen planus. Pityriasis rosea. Parapsoriasis: definition, etiopathogenesis, classification, clinic, diagnosis, treatment.</p> <p><u>Drug reactions in the skin:</u> maculopapular exanthema, erythema multiforme, toxic epidermal necrolysis, fixed erythema, urticaria and angioedema: definitions, etiopathogenesis, clinic, diagnosis, treatment, prevention.</p> <p><u>Autoimmune connective tissue and blistering skin diseases.</u> Cutaneous lupus erythematosus, scleroderma, dermatomyositis: definitions, etiopathogenesis, classification, clinic, diagnosis, treatment, prevention. Epidermal and dermo-epidermal junction disorders. Mechanisms and classification of blister formation. simplex blister, bullous pemphigoid, Düring's disease: definition, etiopathogenesis, clinic, diagnosis, treatment.</p>				

Genodermatoses. Hereditary and acquired epidermolysis bullosa. Ichthyosis: classification, etiology, and clinical differences. Simple, X-linked and lamellar ichthyosis: definition, etiopathogenesis, clinic, diagnosis, treatment. Congenital diseases of nails and hair.

Diseases of skin appendages. Hair diseases. Focal baldness, androgenetic alopecia: definitions, etiopathogenesis, clinic, diagnostics, treatment. Sebaceous gland diseases. Acne vulgaris and rosacea: definition, etiopathogenesis, classification, clinic, diagnosis, treatment

Skin tumors: classification, definitions, etiopathogenesis, clinic, diagnosis, differential diagnosis, treatment.

Benign skin tumors: skin cysts, soft fibroma (papilloma), solid fibroma (dermatofibroma), seborrheic keratosis, lipoma.

Precancerous skin diseases: actinic keratosis, Bowen's disease, skin horn, malignant slag (lentigo maligna).

Epithelial skin cancers - basal cell carcinoma, squamous cell skin carcinoma.

Pigmented moles. Dysplastic moles.

Melanoma: Cutaneous lymphomas: T-cell and B-cell lymphomas.

### RECOMMENDED LITERATURE SOURCES

1. Habif T. Clinical dermatology, 6th edition. Mosby, New York, 2015.
2. Wolff K, Goldsmith LA, et al. Fitzpatrick's dermatology in general medicine. 9th edition. London McGraw-Hill London, 2019.
3. Bologna JL, Jorizzo JL, Rapini RP. Dermatology. 4th edition. London, Elsevier, 2018.
4. Wolff K, Johnsons R. Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology. 8th edition. London McGraw Hill, 2017.
5. Lapinskaitė G., Marčiukaitienė I., Dubakienė R. ir kt. Alerginio kontaktinio dermatito diagnostika ir gydymas. Metodinė mokomoji medžiaga. Vilnius, 2001.
6. Marčiukaitienė I., Lapinskaitė G., Valiukevičienė S. ir kt. Žvynelinės diagnostika ir gydymas. Metodinė mokomoji priemonė, Vilnius, 2004.
7. J.Grigaitienė, E. Naruševičiūtė – Skripkienė, I. Marčiukaitienė, G. Lapinskaitė, M. Bylaitė-Bučinskienė. Mokomoji knyga „Rankų egzema“, 2014.
8. Kisielienė, Inga; Grigaitienė, Jūratė; Kučinskienė, Vesta; Malinauskienė, Laura; Chomičienė, Anželika; Blažienė, Audra; Šitkauskienė, Brigita; Staikūnienė, Jūratė; Bylaitė-Bučinskienė, Matilda. Atopinio dermatito diagnostikos ir gydymo rekomendacijos. Mokomoji knyga. Vilnius, 2019
9. Šitkauskienė, Brigita; Blažienė, Audra; Bylaitė-Bučinskienė, Matilda; Chomičienė, Anželika; Grigaitienė, Jūratė; Staikūnienė, Jūratė; Valiukevičienė, Skaidra. Dilgėlinės diagnostikos ir gydymo rekomendacijos: Lietuvos alergologų ir klinikinių imunologų bei dermatovenerologų sutarimas: mokomoji knyga. Kaunas, Vitae Litera, 2020.
10. Valiukevičienė S, Grigaitienė J, Burg G, Itin P, McGrath J. DOIT: Dermatology Online with Interactive Technology. Webbook. LSMU, VU; www.cyberderm.net, 2021.
11. DermNet New Zealand ("DermNet"), DermNet New Zealand Trust. www.dermnetnz.org.

### CONSULTING LECTURERS

1. Coordinating lecturer: Matilda Bylaitė-Bučinskienė (Prof. Dr.).

2. Rūta Gancevičienė (Assoc. Prof. Dr.).

3. Jūratė Grigaitienė (Assoc. Prof. Dr.).

### APPROVED:

By Council of Doctoral School of Medicine and Health Sciences at Vilnius University:  
29<sup>th</sup> of September 2022

Chairperson of the Board: Prof. Janina Tutkuviene