

Lecture structure example

Recommended Topics and Contents for Lectures based on the HEDU_LEARN_IT Erasmus Plus Project

The following list of topics and of diagnoses, special conditions, symptoms and syndromes as well as basics in dermato-venereology is a recommendation for the preparation of teaching hours during a semester. The time frame given here reflects 30 lecture hours. The list should help the teacher to plan his lectures accordingly, but he/she should feel free to adapt and set points of interest in the series of lectures beyond and can vary the time he/she wants to focus on certain topics / diagnoses. The list does not present the whole spectrum of Dermato-Venereology and its subspecialities, but it is the selection worked out within the project as to be the most important for an undergraduate training content in our discipline.

Grading & Level of importance

1. Propedeutics (2 hours)

- a. Structure, function and tasks of dermatology & venereology in clinical medicine
- b. Basic functions of the skin
 - 9.1.1 Cutaneous anatomy and physiology
 - 9.1.2 Biochemistry
 - 9.1.3 Cutaneous immunology
 - 9.1.4 Cutaneous microbiology
- c. 10.1-10.2 Primary and secondary lesions of the skin
- d. Diagnostic procedures
 - 9.2.1 Bedside tests
 - 9.2.4 Functional tests

Inflammatory Dermatoses

2. Allergic and Non-Allergic Diseases (2 hours)

a. Eczemas

- 1.1.2.2 Allergic contact dermatitis
- 1.1.2.3 Irritant contact dermatitis
- 1.1.2.4 - 1.1.2.7 Other eczema types

b. Atopy syndrome

- 1.1.2.1 Atopic dermatitis
- Atopy related other manifestations

Inflammatory Dermatoses

3. Allergic and non-Allergic Diseases (2 hours)

a. Urticarias

- Physical types
- Acute type
- Chronic spontaneous type

b. 1.1.1.2 Angioedema

- Allergic / non-allergic
- Hereditary

c. 8.5 Urticarial syndromes

Inflammatory Dermatoses

4. Allergic and Non-Allergic Diseases (1 hour)

a. 1.1.3 Drug related Dermatoses

- 1.1.3.1 Drug reactions
- 1.1.3.2 Erythema multiforme
- 1.1.3.4 Stevens-Johnsons syndrome
- 1.1.3.5 Toxic epidermal necrolysis
- 1.1.3.6 DRESS syndrome

b. 1.1.4 Inflammatory and post-infectious reactions

- 1.1.4.1 Erythema nodosum
- 1.1.4.2 Pyoderma gangrenosum
- 1.1.4.3 Sweet`s syndrome

Inflammatory Dermatoses

5. Autoimmune and Bullous Dermatoses (2 hours)

a. 1.2.1 Lupus erythematoses

- Chronic discoid type
- Subacute cutaneous type
- Special cutaneous subtypes
- Systemic LE

b. Scleroderma

- 1.2.2 Systemic types
- 1.2.3 Localized cutaneous types

c. 1.2.4 Dermatomyositis

d. Bullous diseases

- 1.2.5 Pemphigus types
- 1.2.6 Pemphigoid group
- 1.2.7 Dermatitis herpetiformis

Inflammatory Dermatoses

6. Papulo-squamous diseases (2 hours)

a. 1.5.1 Psoriasis

- All subtypes
- Arthritis

b. Pityriasis types

- 1.5.3 Pityriasis rubra pilaris
- 1.5.2 Pityriasis lichenoides
- 1.5.5 Pityriasis rosea

c. 1.5.4 Lichen ruber

d. 1.5.6 Prurigo types

Infectious Diseases

7. Viral, bacterial, fungal, parasitic Infections and arthropod reactions (2 hours)

a. 2.1 Viral infections

- 2.1.1.1 Mollusca contagiosa
- 2.1.2 Varicella and varicella zoster

- 2.1.3 Herpes simplex type I and II / eczema herpeticum
- 2.1.5 Warts
- 2.1.6 Condylomata accuminata
- 2.1.4; 2.1.7 Other virus infections

b. 2.2 Bacterial infections

- 2.2.2 Impetigo contagiosa
- 2.2.3 Erysipelas
- 2.2.4; 2.2.5 Microbial folliculitis / furuncle / carbuncle
- 2.2.6 Staphylococcal scalded skin syndrome
- 2.2.7 Staphylogenic-/ streptogenic toxic shock syndrome
- 2.2.8 Borrelia infections: erythema migrans, acrodermatitis atrophicans
- 2.2.9 Lymphocytoma cutis benigna
- 2.2.11 Leprosy
- 2.2.12 Skin tuberculosis and MOTT

c. 2.3 Fungal infections

- 2.3.1 Dermatophyte infections
- 2.3.2 Candidiasis
- 2.3.3 M. furfur infections
- 8.15 Tropic fungal infections

d. 2.4 Parasitic infections

- 2.4.1 Leishmaniasis
- 2.4.2 Scabies
- 2.4.3 Trombidiosis
- 2.4.4; 2.4.5 Pediculosis capitis and pubis
- 2.4.6 Demodex infections

e. 2.4.6 Arthropod Reactions

- 2.4.7 Other arthropod incl.spiders
- 2.4.8 Bee and wasp stings

Infectious Diseases

8. 2.5 Sexually Transmitted Infections (2 hours)

a. Urethritis

- 2.5.1 Gonorrhoea and complications
- 2.5.2 Chlamydial and mycoplasma infections
- 2.5.4 Non-specific urethritis

b. 2.5.3 Lymphogranuloma venereum

- c. 2.5.7 Syphilis
 - Early
 - Late
- d. 2.5.8 Chancroid
- e. 2.5.9 Granuloma inguinale
- f. 2.5.5 Trichomoniasis
- g. 2.5.6 Bacterial Vaginosis
- h. 2.5.10 Genito-anal Herpes simplex
- i. 2.5.11 Skin manifestations of HIV infection

Tumors, Hamartomas and Cysts

9. Melanocytic Nevi and Malignant Melanoma and Pigment Disorders (2 hours)

- a. 3.1 Benign melanocytic lesions
 - 3.1.1 Melanocytic nevi
 - 3.1.2 Congenital melanocytic nevi
- b. Intermediate melanocytic lesions
 - 3.1.3 Atypical melanocytic nevi
 - 3.1.3 Atypical mole syndrome
- c. Malignant melanocytic lesions
 - 3.3.6 Lentigo maligna
 - 3.3.7 Malignant melanoma
- d. Benign pigmentary disorders
 - 6.3.3 Melasma
 - 6.3.4 Vitiligo
 - 6.3.5 Albinism and piebaldism

10. Non-melanocytic benign lesions, cysts and hamartomas (1 hour)

- a. Epidermal and dermal lesions
 - 3.2.1 Seborrheic keratoses
 - 3.2.3 Dermatofibroma
 - 3.2.4 Keloids
 - 3.2.5 Lipomas
 - 3.2.9 Cutaneous cysts
 - 3.1.5 Nevus sebaceous/ Organoid and non-organoid epidermal nevi
 - 3.3.13 Pseudoymphomas

b. Vascular lesions

- 3.1.4 Nevus flammeus
- 3.2.6 Hemangiomas

11. Non-melanoma skin cancer (2 hours)

a. Epidermal or keratinocytic origin

- 3.3.1 Actinic keratosis
- 3.3.2 Other carcinomata in situ
- 3.3.4 Squamous cell carcinoma
- 3.3.3 Paget's disease
- 3.3.5 Basal cell carcinoma
- 3.3.16 Merkel cell carcinoma (in preparation)

b. Dermal origin

- 3.3.9 Dermatofibrosarcoma

c. Vascular lymphatic origin

- 3.3.8 Kaposi's sarcoma
- 3.3.17 Lymphangiosarcoma (in preparation)

d. Lymphomas and others

- 3.3.9 Cutaneous metastases
- 3.3.10 Parapsoriasis group
- 3.3.11 Malignant lymphomas
- 3.3.14 Paraneoplastic disorders

Diseases of the skin appendages and of mucous membranes

12. Diseases of sebaceous and apocrine glands (1 hour)

- a. 4.1.1 Acne
- b. 4.1.2 Rosacea
- c. 4.1.3 Periorificial dermatitis
- d. 4.1.4 Hidradenitis suppurativa

13. Diseases of hairs and nails / mucous membranes (1 hour)

a. Hair

- 4.2.1 Alopecia areata
- 4.2.2 Androgenetic alopecia
- 4.2.3 Hirsutism and hypertrichosis
- Scarring hair diseases

b. Nails

- 4.2.4 Nail diseases and dystrophies
- 4.2.5 Nail colours changes
- c. **Mucous membranes**
 - 4.3.2 Mucosal aphthae
 - 4.3.3 Balanitis

Diseases of blood and lymph vessels, ulcers, panniculitis

14. Diseases of blood and lymph vessels (1 hour)

- a. 5.1.1 Allergic vasculitis
- b. 5.1.2 Chronic venous insufficiency
- c. 5.1.3 Lymphangitis and lymphedema (see also 8.8)

15. Ulcers and panniculitis (1 hour)

- a. 5.2.1 Venous leg ulcers
- b. 5.2.2 Arterial leg ulcers
- c. 5.2.3 Neuropathic ulcers
- d. 5.2.4 Pressure sores
- e. 5.3.1 Suppurative and non-suppurative panniculitis

Genodermatoses and Metabolic Diseases

16. Genodermatoses (1 hour)

- 6.1.1 Neurofibromatosis
- 6.1.2 Xeroderma pigmentosum
- 6.1.3 Epidermolysis bullosa
- 6.1.4 Congenital ichthyoses
- 6.1.5 Palmo-plantar keratodermas
- 6.1.6 Dyskeratosis follicularis Darier
- 6.1.7 Pseudoxanthoma elasticum

Metabolic Diseases

- 6.2.1 Skin changes in diabetes mellitus
- 6.2.2 Porphyria cutanea tarda
- 6.2.3 Erythropoietic porphyria

- 6.2.4 Congenital erythropoietic porphyria Günther
- 6.2.5 Xanthomas

17. Various (1 hour)

a. 7.1 Proctologic diseases

- 7.1.1 Anal fissure and pruritus ani
- 7.1.2 Haemorrhoids

b. 7.2 Psychosomatics in dermato-venerology

- 7.2.1 Trichotillomania
- 7.2.2 Dermatitis artefacta
- 7.2.3 Psychogenic pruritus
- 7.2.4 Obsessive-compulsive skin disorders
- 7.2.5 Body dysmorphic disorders

18. Special Conditions, Symptoms and Syndromes (2 hours)

- a. 8.1 Red face and erythrodermas
- b. 8.9 Red swollen leg
- c. 8.8 Purpuric rashes
- d. 8.3 Dry skin
- e. 8.4 Itching
- f. 8.11 Juvenile and aged skin / progerias
- g. 8.5 Urticarial syndromes (see also lecture 3)
- h. 8.6 Pregnancy disorders
- i. 8.13 Disorders with primary and secondary deposition in the skin
- j. 8.14 Tropical dermatoses and travel medicine (see also infectious diseases)