



Universitat de Lleida

DEGREE CURRICULUM **DERMATOLOGY**

Coordination: MARTI LABORDA, ROSA MARIA

Academic year 2022-23

Subject's general information

Subject name	DERMATOLOGY			
Code	100577			
Semester	PRIMER QUADRIMESTRE			
Typology	Degree	Course	Character	Modality
	Bachelor's Degree in Medicine	5	COMPULSORY	Attendance-based
Course number of credits (ECTS)	4			
Type of activity, credits, and groups	Activity type	PRALAB		TEORIA
	Number of credits	1.5		2.5
	Number of groups	10		1
Coordination	MARTI LABORDA, ROSA MARIA			
Department	MEDICINE			
Teaching load distribution between lectures and independent student work	Face-to-face hours: 41 Non-contact hours: 99 Face-to-face hours: theoretical classes (lectures and presentation of clinical cases): 25 Face-to-face hours: seminars: 16			
Important information on data processing	Consult this link for more information.			
Language	Catalan, Castilian (Spanish)			
Distribution of credits	3.5 credits: Dermatology (Department of MEDICINA: Professors: JM Casanova, RM Martí) (Col.laborator Professors: R Aguayo, M Baradad, X Soria) 0.5 credits: Dermatopathology (Department of CIÈNCIES MÈDIQUES BÀSIQUES: Professor: F Vilardell)			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
AGUAYO ORTIZ, RAFAEL SERGIO	rafaelsergio.aguayo@udl.cat	2,2	
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SORIA GILI, XAVIER	xsoria@medicina.udl.cat	2,3	
VILARDELL VILLELLAS, FELIP	felip.vilardell@udl.cat	2,3	

Subject's extra information

Dermatology is a core subject taught during the first semester of the fifth year of the degree.

In this subject the student is provided with the foundations and knowledge to understand, diagnose and consider the treatment of skin diseases. Pathology of the main cutaneous disorders is discussed (dermatopathology) and a short introduction on the concept and utility of Telemedicine is made.

Concept of Dermatology. Dermatology is a medical-surgical specialty dedicated to the study and care of a vital organ for humans, the skin. The skin, located on the surface of the body, protects it and isolates it from the environment. Its function is not only to act as a physical barrier that prevents the entry of microorganisms or the exit of water and electrolytes, but also actively participates in thermoregulation, the relationship with the environment, the immune balance, etc. Along with other medical specialties, Dermatology also cares for the oral and genital mucosa. The Consejo de Especialidades Médicas defines Medical-Surgical Dermatology and Venereology as “a medical-surgical specialty that deals with the knowledge of human skin and the diseases that primarily or secondarily affect it, as well as the methods for the prevention of themselves and for the preservation of skin normality”.

Dermatology therefore deals with the skin and its appendages (hair, nails and sweat glands), their primary diseases, sexually transmitted diseases (due to their predominantly cutaneous and mucosal manifestations) and the cutaneous manifestations of internal and / or multisystemic diseases. As the skin is an easily visible organ, Dermatology is one of the oldest specialties in Medicine. There are mentions of skin diseases in Egyptian papyri, Assyro-Babylonian tablets or in the Bible, although it was not until the 18th century that elementary skin lesions were described and dermatological descriptions were made in a language similar to current one.

The importance of Dermatology is not limited to taking care of a fundamental organ of the human body, treating serious skin diseases, such as malignant melanoma, or recognizing signs that can diagnose internal diseases that could be fatal. Skin pathology is extraordinarily common (10% of Primary Medicine consultations) and although it does not generally endanger the patient's life, it is the cause of human suffering resulting in disability (eg skin diseases of the hands and feet).), discomfort (such as intense pain or itching), or disfigurement. This serious alteration of the quality of life cannot be considered in today's society as a banal pathology.

Learning objectives

The learning objectives are related to the competences of the subject. General objectives are:

1. To list the elemental skin lesions and to classify the dermatoses according to the elemental lesion.
2. To diagnose and treat the most common dermatoses that are the reason for consultation in primary healthcare (bacterial, fungal and viral infections, STDs, eczema, psoriasis, urticaria, acne and alopecia).
3. To establish the differential diagnosis of these common dermatoses.
4. To correctly evaluate skin tumor lesions, differentiate the most common benign and malignant tumors, especially melanomas.
5. To recognize skin lesions that are signs of internal diseases (lupus erythematosus, dermatomyositis, paraneoplastic dermatosis, vasculitis).
6. To recognize cutaneous lesions that indicate severity (extensive bullous diseases, purpura, necrosis, and cutaneous nodules).
7. To describe and to know how to recognize under the microscope the main pathological characteristics of the most frequent and / or important benign and malignant skin diseases.
8. Acquire some basic notions about the different forms of Telemedicine and their usefulness.

Competences

Competences: BOE February 15, 2008, Ordre Ministerial ECI/332/2008

CG7. To understand and recognize the normal structure and function of the human body, at the molecular, cellular, tissue, organic and systemic levels, in the different stages of life.
CE13. To know the morphology, structure and function of the skin.
CE73. To know the principles of telemedicine.
CE79. To recognize, diagnose and guide the management of the main skin pathologies.
CE83. Sexually transmitted diseases.
CE126. Pathology of the different human body organ systems.
CE139. Pharmacology of the different human body organ systems.
CE140. Analgesic, antineoplastic, antimicrobial and anti-inflammatory drugs.

Subject contents

Class 1: Presentation

Theoretical classes:

Class 2. Histology and functions of normal skin.

Class 3. Basis for dermatological diagnosis

Class 4. Basic dermatopathology

Class 5. Pruritus

Class 6. Acute bullous diseases

Class 7. Chronic bullous diseases

Class 8. Pustular diseases

Class 9. Psoriasis and other dermatoses that present with scaly erythematous plaques on the trunk and extremities

Class 10. Atopic dermatitis and other diseases that present with facial erythematous plaques

Class 11. Contact dermatitis and other erythematous diseases of the hands

Class 12. Dermatoses characterized by erythematous papules on the trunk

Class 13. Reactive dermatoses: Urticaria, vasculitis and panniculitis

Class 14. Non-neoplastic dermatopathology

Class 15. Congenital and acquired dyschromia

Class 16. Skin infections due to papillomavirus and poxvirus

Class 17. Diseases of the scalp, hair and nails

Class 18. Sexually transmitted diseases

Class 19. Basal cell carcinoma and other smooth-surfaced benign and malignant skin tumors

Class 20. Squamous cell carcinoma and other benign and malignant skin tumors with keratotic surface

Class 21. Melanocytic nevi and cutaneous melanoma

Class 22. Dermatopathology of skin tumors

Class 23. Cutaneous manifestations of internal diseases (I) (cutaneous manifestations of collagen diseases)

Class 24. Cutaneous manifestations of internal diseases (II) (neurocutaneous syndromes and other genodermatoses)

Class 25. Cutaneous manifestations of internal diseases (III) (Cutaneous manifestations of haematological diseases and primary cutaneous lymphomas, paraneoplastic dermatoses and cutaneous manifestations of other internal diseases)

Class 26. Introduction to Telemedicine

Seminars:

Sem 1. Basis for dermatological diagnosis

Sem 2. Itching

Sem 3. Bullous and pustular diseases (I)

Sem 4. Bullous and pustular diseases (II)

Sem 5. Erythematous and erythematous desquamative diseases (I)

Sem 6. Erythematous and erythematous desquamative diseases (II)

Sem 7. Reactive skin diseases

Sem 8. Non-neoplastic dermatopathology

Sem 9. Dyschromia

Sem 10. Skin infections due to papillomavirus and poxvirus

Sem 11. Diseases of the scalp, hair and nails

Sem 12. Sexually transmitted diseases

Sem 13. Non-melanoma skin cancer and skin-colored benign skin tumors

Sem 14. Pigmented skin tumors

Sem 15. Dermatopathology of skin tumors

Sem 16. Cutaneous manifestations of internal diseases

Detailed program with specific objectives of classes and seminars

(see catalan version)

Methodology

The purpose of the program that is presented is that the student of the Degree in Medicine acquires the basic competences for the recognition of the most frequent and / or most serious skin diseases, for their management in Primary HealthCare or for their referral to the specialist or to hospital emergencies. It collects theoretical and practical skills and, on the way to adaptation to the European Higher Education Area, works on integration with other disciplines such as Pathology and on self-learning, as specified in more detail in the list of objectives .

The program, both in its theoretical and theoretical-practical aspects, can be found on the Dermatology teaching website: dermatoweb.net ("Asignatura de Dermatología"). It is divided into IX sections: Generalities, Pruritus,

Vesicular, bullous and pustular dermatoses, Erythematous dermatoses, Non-erythematous dermatoses, Hair, scalp and nail disorders, Sexually transmitted diseases, Skin tumors and Dermatoses related to disorders of internal organs. Each section contains a variable number of topics and seminars. Introductory classes to dermatology, dermatopathology, and section IX are presented in the form of theoretical lectures. Classes about the remainder dermatoses are based on clinical cases commented on by the professor, especially oriented to differential diagnosis.

Self-learning activities: After each class, students have to study on their own the selected clinical cases (test cases) that are exposed on the web for this purpose (which include reasoned answers). And they must respond to the objectives of the problem cases (brief cases) that are raised at the end of each class in relation to the topic discussed. In the following days there is a seminar in groups in which the answers to the objectives of the problem cases (brief cases) are discussed. Diagnostic aspects, differential diagnoses and attitudes to be followed in the proposed patients are especially discussed. The hours of all these activities are from 16 to 18 hours.

The activities developed in the seminars have a learning function; they are not evaluative.

As a complement to self-learning, as the course progresses, multiple choice activities will appear on the virtual campus to be answered online. Once the activity is finished, the correct answers will be posted on the UdL virtual campus (SAKAI). This activity will be evaluative as part of the continuous evaluation (see section: "Evaluation of learning")

An independent lecture is dedicated to the introduction to telemedicine, a tool increasingly used in our profession and also in Dermatology (Teledermatology).

Development plan

Below is a detailed schedule of the subject, with the days and hours of the scheduled sessions and the responsible teachers:

Dia	Horari	Continguts	Professor
12-09-22	16-17	C1.Presentació	Dra RM Martí
13-09-22	16-17	C2.Histologia i funcions de la pell normal	Dra RM Martí
13-09-22	17-18	C3.Bases pel diagnòstic dermatològic	Dra RM Martí
14-09-22	16-17	C4. Dermatopatologia bàsica	Dr F Vilardell
16-09-22	14-15	C5. Pruija	Dra R Martí
16-09-22	16-17 (TOTS)	Sem 1. Bases pel diagnòstic dermatològic	<i>Dra RM Martí</i>
19-09-22	16-17	C6. Malalties ampul·làcies agudes	Dra RM Martí
19-09-22	17-18 (b+d)	Sem 2. Pruija	<i>Dra RM Martí</i>
20-09-22	16-17	C7. Malalties ampul·làcies cròniques	Dr JM Casanova
21-09-22	16-17	C8. Malalties pustuloses	Dr JM Casanova
22-09-22	16-17 (a+c)	Sem 2. Pruija	<i>Dr JM Casanova</i>
23-09-22	16-17	C9. Psoriasi i altres m que cursen amb plaques eritematodescamatives de tronc i extremitats	Dr JM Casanova
23-09-22	17-18 (TOTS)	Sem 3. Malalties ampul·làcies i pustuloses (I)	<i>Dr JM Casanova</i>
26-09-22	16-17	C12. Dermatosi caracteritzades per pàpules eritematoescatoses al tronc	Dr JM Casanova

26-09-22	17-18	C11. Dermatitis de contacte i altres malalties eritematoses de les mans	Dra RM Martí
27-09-22	16-17	C13. Dermatosi reactives: Urticària, vasculitis i panniculitis	Dr JM Casanova
28-09-22	14-15	C10. Dermatitis atòpica i altres malalties que cursen amb plaques eritematoses facials	Dr X Soria
28-09-22	17-18 (TOTS)	Sem 4. Malalties ampul·làcies i pustuloses (II)	Dra RM Martí
03-10-22	16-17	C14. Dermatopatologia inflamatòria	Dr F Vilardell
04-10-22	16-17 (b+d)	Sem 5. Malalties eritematoses i erimatodescamatives (I)	Dra RM Martí
05-10-22	17-18 (a+c)	Sem 5. Malalties eritematoses i erimatodescamatives (II)	Dr JM Casanova
07-10-22	14-15	C15. Discromies congènites i adquirides	Dra RM Martí
07-10-22	17-18 (TOTS)	Sem 6. Malalties eritematoses i erimatodescamatives (II)	Dr X Soria
10-10-22	17-18	C20. Carcinoma escamós i altres tumors cutanis Bn i Ml de superfície queratòsica	Dr R Aguayo
11-10-22	17-18 (a+d)	Sem 7. Malalties cutànies reactives	Dr JM Casanova
13-10-22	16-17	C17. Malalties del cuir cabellut, del cabell i de les ungles	Dr M Baradad
13-10-22	17-18 (b+c)	Sem 7. Malalties cutànies reactives	Dr JM Casanova
14-10-22	17-18 (TOTS)	Sem 8. Dermatopatologia inflamatoria	Dr F Vilardell
17-10-22	16-17	C18. Malalties de transmissió sexual	Dr M Baradad
17-10-22	17-18 (b+d)	Sem 9. Discromies	Dra RM Martí
18-10-22	16-17 (a+c)	Sem 9. Discromies	Dr JM Casanova
19-10-22	16-17	C16. Infeccions cutànies per papilomavirus i poxvirus	Dr X Soria
19-10-22	17-18 (a+d)	Sem 10. Malalties del cuir cabellut, del cabell i de les ungles	Dr Casanova
20-10-22	16-17	C19. Carcinoma basocel·lular i altres tumors cutanis Bn i Ml de superfície llisa	Dr Casanova
20-10-22	17-18	C21. Nevus melanocítics i melanoma cutani	Dra RM Martí
21-10-22	16-17	C22. Dermatopatologia tumoral	Dr F Vilardell
21-10-22	17-18 (b+c)	Sem 10. Malalties del cuir cabellut, del cabell i de les ungles	Dra RM Martí
24-10-22	16-17	C23. Manifestacions cutànies de les malalties internes (I)	Dra RM Martí
24-10-22	17-18 (a+b)	Sem 11. Infeccions cutànies per papilomavirus i poxvirus	Dra RM Martí
25-10-22	17-18 (c+d)	Sem 11. Infeccions cutànies per papilomavirus i poxvirus	Dr JM Casanova
26-10-22	16-17	C24. Manifestacions cutànies de les malalties internes (II)	Dr X Soria
26-10-22	17-18 (a+b)	Sem 12. Malalties de transmissió sexual	Dr JM Casanova
27-11-22	16-17	C25. Manifestacions cutànies de les malalties internes (III)	Dr JM Casanova
27-10-22	17-18 (c+d)	Sem 12. Malalties de transmissió sexual	Dr JM Casanova
28-10-22	17-18	C26. Introducció a la Telemedicina	Dr JM Casanova
31-10-22	16-17 (TOTS)	Sem 13. Càncer cutani no melanoma i tumors cutanis Bn del color de la pell	Dr R Aguayo

02-11-22	16-17 (TOTS)	Sem 14. <i>Tumors cutanis pigmentats</i>	<i>Dr X Soria</i>
03-11-22	16-17 (TOTS)	Sem 15. Manifestacions cutànies de les m. internes	<i>Dra RM Martí</i>
04-11-22	16-17 (TOTS)	Sem 16. <i>Dermatopatologia tumoral</i>	<i>Dr F Vilardell</i>
11-11-22	15-19	EXAMEN	
27-06-23	15-19	EXAMEN RECUPERACIÓ	

Evaluation

- **Exams:** 1 exam (80% of the overall final grade for the subject)

It is made up of two parts, each of which counts for 50% of the grade

- Test type: 60 questions
- Short question type: 50 questions on 21-23 dermatological clinical cases
presented with accompanying images
and a short medical history (see examples in
"Dermatoweb.net/Exámenes clínicos/Asignatura")

Multiple choice questions have 5 possible answers and only 1 correct answer.

The wrongly answered answers deduct 0.2 points.

Each short question answered correctly is worth 1 point.

- **Continuous assessment** (20% of the overall final grade for the subject):

1. Test presented through SAKAI (virtual campus of the UdL)

2. Jobs

- Compilation of the answers to the objectives of 1 case problem of 1 seminar.

It will be collected at the end of the course.

The coordinator will communicate, once all the seminars are finished, the clinical case corresponding to each student. Responses to objectives of the cases will have been previously discussed in the

seminars

Continuous assessment activities, by definition, are not recoverable. Therefore, the grades obtained during the course cannot be modified.

The grade resulting from the continuous assessment will only be taken into account if the exam is passed with a 5 or more.

- Evaluation dates:

Exam 1st call: ..11- 11-22 15-19 h

Recovery exam:26- 06-21 15-19 h

Rating scale:

0.00-4.99: SUSPENSION

5.00-6.99: APPROVED

7.00-8.99: NOTABLE

9.00-10: EXCELLENT

Bibliography

As general reference texts, atlases and other informative sources, the following are recommended:

DERMATOLOGY

Christopher Griffiths, Jonathan Barker, Tanya Bleiker, Robert Chalmers & Daniel Creamer. Rook's Textbook of Dermatology. Ninth Edition. John Wiley & Sons. 2016

Conejo-Mir J et al. Manual de Dermatología. 2ª EDICIÓN. Grupo Aula Médica. 2018

Du Vivier. Atlas of Clinical Dermatology. 4ª EDICIÓN. Saunders (W.B.). 2012

Ferrandiz C. Dermatología Clínica. 5ª EDICIÓN. Elsevier España. 2019

Lowell A. Goldsmith, Stephen I. Katz, Barbara A. Gilchrest, Amy S. Paller, David J. Leffell, Klaus Wolff. Fitzpatrick TB. Dermatologia en Medicina General. Editorial Medica Panamericana SA. 2014

<http://dermatoweb.net/>

<http://www.uv.es/derma/>

<https://www.dermatoapp.com/>

Wolff K, Fitzpatrick TB, Johnson RA, M.D. Atlas en color y sinopsis de dermatologia clinica. MCGRAW-HILL. 2014

PATHOLOGY

Kumar V, Abbas A, Fausto N, Aster JC.

ROBBINS Y COTRAN. PATOLOGÍA ESTRUCTURAL Y FUNCIONAL, 9ª ED 2015

Publisher: Elsevier Saunders

ISBN 10: 8490228787 ISBN 13: 9788490228784

www.studentconsult.com

Elder DE; Elenitsas R, Rosenbach M, Murphy GF, Rubin AI, Xu X

LEVER'S HISTOPATHOLOGY OF THE SKIN, 11th Ed 2014

Publisher: Lippincott Williams & Wilkins (LWW)

ISBN: 978-1-45-119037-3

Herrera Ceballos E, Moreno Carazo A, Requena Caballero L, Rodriguez Peralto JL. DERMATOPATOLOGÍA: CORRELACIÓN CLÍNICO-PATOLÓGICA, Área Científica Menarini.

Código: NER-309.

(Nota: Disponible on-line, en el link:

<https://www.menarini.es/images/dermatologia/dermatopatologia-correlacion-clinico-patologica.pdf>)

Patterson James

WEEDON'S SKIN PATHOLOGY, 5th Ed 2020

Publisher: Churchill Livingstone Elsevier

ISBN: 9780702075827