

Degree	Type	Year
2502442 Medicine	OB	5

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Teaching groups languages

You can view this information at the [end](#) of this document.

Prerequisites

It is recommended to have achieved the competences of the following subjects: Biochemistry and Molecular Biology, Cell Biology, Human Anatomy (I and II), Histology, Physiology, Human Genetics, General Pathology, Fundamentals of Surgery, Microbiology, Radiology and Physical Medicine, Pathology, Pharmacology, Immunology and Epidemiology.

The student will accept the commitment of preserving the confidentiality and the professional secrecy of the data to which he may have access for learning reasons in the assistance services. The student must also maintain an attitude of professional ethics in all his actions.

Objectives and Contextualisation

The subject of Dermatology includes the diagnosis, treatment and prevention of diseases of the skin, subcutis, mucous membranes and adnexal appendices, as well as the skin manifestations of systemic diseases and systemic manifestations of skin diseases. It also includes the promotion of good skin health.

Competences

- Accept one's role in actions to prevent or protect against diseases, injuries or accidents and to maintain and promote health, on both personal and community-wide levels.

- Demonstrate an understanding of the fundamentals of action, indications, efficacy and benefit-risk ratio of therapeutic interventions based on the available scientific evidence.
- Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
- Establish a diagnostic approach and a well thought-out strategy for action, taking account of the results of the anamnesis and the physical examination, and the results of the appropriate complementary tests carried out subsequently.
- Indicate the basic diagnosis techniques and procedures and analyse and interpret the results so as to better pinpoint the nature of the problems.
- Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
- Obtain and prepare a patient record that contains all important information and is structured and patient-centred, taking into account all age and gender groups and cultural, social and ethnic factors.
- Recognise and take action in life-threatening situations and others that require an immediate response.
- Use information and communication technologies in professional practice.

Learning Outcomes

1. Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
2. Develop a therapeutic strategy for the most prevalent skin diseases in the general population.
3. Enumerate the necessary complementary explorations that can lead to accurate diagnosis in a case of dermatosis, including laboratory studies and serological, immunological, microbiological and dermatopathological studies.
4. Identify key risk factors for the development of the most common skin diseases, with special emphasis on those that refer to infections and malignant tumours of the skin and mucosa.
5. Identify processes that can be treated by primary care physicians and those that should be referred to a dermatologist, establishing the degree of priority for the latter case.
6. Identify skin diseases that can be the expression of a systemic illness.
7. Identify skin injuries from possible life-threatening processes.
8. Identify the major skin injuries and describe them appropriately.
9. Identify the most important cutaneous signs that can accompany a potentially serious systemic disease.
10. Identify the typical clinical patterns of the most prevalent skin diseases in the general population.
11. Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
12. Propose a basic diagnostic strategy to reach a definitive diagnosis.
13. Put forward a clinical differential diagnosis based on skin injuries.
14. Use information and communication technologies in professional practice.

Content

Theoretical classes

The subject is structured in 10 large blocks that group the different aspects of Dermatology. There will be taught 25 master classes with computer and projector and/or online access. Because of their frequency, infections, eczema and skin tumors are especially relevant for the training of general practitioners. The objective is to be able to recognize and describe skin lesions, propose a differential diagnosis, propose complementary explorations to be performed and design a therapeutic plan. They should also be able to identify those dermatoses that due to their diagnostic or therapeutic complexity should be referred to the specialist, specially those that require priority attention.

1. General (2 hours)

1.1. Anatomy and physiology of the skin (1 hour)

1.2. Basis of dermatological diagnosis and therapy (1 hour)

2. Infections (6 hours)

- 2.1. Bacterial infections (1 hour)
- 2.2. Mycobacterial infections (1 hour)
- 2.3. Viral infections (1 hour)
- 2.4. Mucocutaneous fungal infections (1 hour)
- 2.5. Zooparasitic infestations (1 hour)
- 2.6. Sexually transmitted diseases (1 hour)
3. Reactive dermatoses and eczema (5 hours)
 - 3.1. Urticaria, angioedema and pruritus (1 hour)
 - 3.2. Contact dermatitis (1 hour)
 - 3.3. Atopic dermatitis (1 hour)
 - 3.4. Dermatoses of physicochemical origin (1 hour)
 - 3.5. Reactive dermatoses, cutaneous drug reactions and neutrophilic dermatosis (1 hour)
4. Erythematous-squamous dermatoses (1 hour)
 - 4.1. Psoriasis, seborrheic dermatitis, pityriasis rosea of Gibert and lichen planus (1 hour)
5. Diseases of the cutaneous adnexa (1 hour)
6. Autoimmune bullous diseases (1 hour)
7. Disorders of pigmentation (1 hour)
8. Genodermatosis (1 hour)
9. Cutaneous manifestations of systemic diseases (4 hours)
 - 9.1. Vasculitis and panniculitis (1 hour)
 - 9.2. Cutaneous manifestations of connective tissue diseases (1 hour)
 - 9.3. Cutaneous manifestations of metabolic and deficiency diseases (1 hour)
 - 9.4. Cutaneous manifestations of internal neoplasms (1 hour)
10. Tumors (3 hours)
 - 10.1. Malignant epithelial tumors (1 hour)
 - 10.2. Melanocytic tumors (1 hour)
 - 10.3. Lymphomas, histiocytosis and mastocytosis (1 hour)
- Specialized seminars (8 hours, groups of 20-25 students)
 1. Description of elementary lesions and dermatological therapy (1 hour)
 2. Clinical cases of infections (1 hour)
 3. Clinical cases of pruritus (1 hour)
 4. Clinical cases of pediatric dermatology (1 hour)
 5. Clinical cases of dermatological emergencies (1 hour)
 6. Clinical cases of cutaneous manifestations of systemic diseases (1 hour)

7. Clinical cases of benign tumors (1 hour)
8. Clinical cases of malignant tumors (1 hour)

Practice of advanced clinical skills (in humans) (2 hours, groups of 5-12 students)

1. Selected practical clinical cases - differential diagnosis and taking of samples (1 hour)
2. Selected clinical case studies - treatment and basic procedural techniques (1 hour)

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
ASSISTENCIAL CLINICAL PRACTICES (PCAh)	10	0.4	2, 3, 6, 7, 8, 9, 10, 12, 13
SEMINARIS DE CASOS CLÍNICS (SCC)	2	0.08	2, 3, 6, 7, 8, 9, 10, 12, 13
SPECIALIZED SEMINARS (SEM)	8	0.32	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13
THEORY (TE)	25	1	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13
Type: Autonomous			
WORK LABOR / PERSONAL STUDY / READING OF ARTICLES / INTEREST REPORTS	50	2	1, 11, 14

This guide describes the framework, contents, methodology and general rules of the subject, in accordance with the current curriculum. The final organization of the subject as regards the number and size of the groups, distribution in the calendar and dates of exams, specific evaluation criteria and review of exams, will be specified in each of the Hospital Teaching Units (HTU), who will explain it through their web pages and the first day of class of each subject, through the responsible teacher in each of the HTU.

For this course the professors appointed by the Department as responsible for the subject at the Faculty and the UDH level are:

Responsible Department: Medicine

Responsible for the Faculty: Vicente García-Patos (vgarciapatos@gmail.com, vicente.garciapatos@vallhebron.cat)

Responsible for UDHSCSP: Lluís PUig (puig@santpau.cat)

Responsible UDHUVH: Vicente García-Patos (vicente.garciapatos@vallhebron.cat)

Responsible UDHUGTIP: Isabel Bielsa (ibielsa.germanstrias@gencat.cat)

Responsible UDHUPT: Miquel Ribera (mribera@tauli.cat)

GENERAL EDUCATIONAL METHODS

Credits: 4 ECTS = 100 hours

AUTONOMOUS WORK (50% of the total = 50 hours): Comprehensive reading of texts and articles, study and realization of schemes, summary and conceptual assimilation of the contents. It also includes preparation of presentations and delivery.

EVALUATION (5% of the total = 5 hours): one or two partial exams and a final exam, evaluation of the practices

DIRECTED TEACHING TYPOLOGIES (45% of the total = 45 hours): Includes 25 theoretical classes (lectures, TE typology), 8 specialized seminars of 1 hour each (SEM typology, with a standard size of 20 students), seminars of clinical cases (SCC typology), which includes two seminars of 1 hour each, with groups of 5 to 12 students, preferably at the end of the practices, in which students will discuss the differential diagnosis and treatment of the most common dermatoses, under the supervision of a tutor, and 10 hours (2.5 hours x 4 days or 2 hours x 5 days) of clinical care practices (typology PCAh), in which students will go to the hospitalization rooms, outpatient clinics, operating rooms and examination cabinets.

SUPERVISED TEACHING TYPOLOGIES:

VIRTUAL CLASSES (VIRT TYPOLOGY)

Teaching given without classroom presence under the permanent and personalized supervision of the student and using intensively the information and communication technologies (ICT). The objective of virtual teaching is to facilitate access to learning resources from anywhere and at any time. The self-learning of the theoretical contents by the students will be encouraged, putting at their disposal the subject of at least 10% of the theoretical classes (3 of the 25) in digital format (pdf, audio-pptx, mp4) , preferably in the virtual classroom of Campus UAB. If the epidemiological situation allows, these face-to-face classes will focus on the presentation and interactive discussion of clinical cases on the topic that students must have previously studied with the online material.

TUTORIES

The tutorials will not count as face-to-face hours, but can be scheduled and done individually or in groups, to the teachers' office, in teaching spaces or using the Tics, and the student must be informed of the hours of attention of the teaching staff.

WORK SUBMISSION

The presentation of papers can be scheduled as directed (in the form of SCC, SESP, classroom practices, etc.) or supervised (without a joint student-teacher presence). In any case, it is necessary to define the teaching typology to be used, the measure of the group involved in each session and the training to be used.

In the current exceptional circumstances, at the discretion of the teachers and also depending on the resources available and the public health situation, some of the theoretical classes, practicals and seminars organized by the Teaching Units may be taught either in person or virtually.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continuous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assistance and active participation in classes and seminars - continuous	20%	1.5	0.06	2, 3, 4, 5,

evaluation				6, 7, 8, 9, 10, 12, 13
Seminars and/or problems and/or clinical cases: written evaluations through objective tests: open questions / evaluation through practical cases and problem solving	30%	1.5	0.06	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
Written evaluations by means of objective tests: multiple choice items / restricted open questions	50%	2	0.08	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13

Aquesta assignatura no preveu el sistema d'avaluació única / Esta asignatura no prevé el sistema de evaluación

Evaluation - Dermatology

- Continuous evaluation (20%). It will be carried out through at least one written exam, either online (Virtual Campus) or in person (written, kahoot or similar) on clinical cases of the subject explained or part of it until the evaluation date.

It will consist of clinical cases with photos to be answered without answer options or with test questions with 4 or 5 answer options and only one correct. Incorrect answers subtract 0.33 or 0.25 points respectively. Maximum 20 points. Continuous evaluation does not eliminate material from the final exam.

- Final evaluation first and second call

- Evaluation of the theoretical program (50%). Test questions and/or short writing questions. The test questions will have 4 or 5 options (only 1 is true). The correct answer will score 1 point and the wrong answers will subtract 0.33 or 0.25 points respectively. Short writing questions with a correct answer will score 1 point. Maximum 50 points.

- Evaluation of the practical program (30%). Test questions and/or clinical cases with photos to answer without options. The test questions will have 4 or 5 options (only 1 is true). The correct answer will score 1 point and the wrong answers will subtract 0.25 (5 options) or 0.33 (4 options) points. If it is a written response, the success of the diagnosis and the therapeutic attitude will score between 1 and 2 points, depending on the number of cases to be resolved. Maximum 30 points.

The dates for the theoretical and practical evaluations will be established in each teaching unit according to current UAB regulations and the availability of classrooms and calendar.

The final grade will be obtained by adding the grade from the continuous evaluation (20), the theoretical exam (50) and the practical exam (30). The grade is established proportionally out of 100 points and the pass is 50. To pass it will be necessary to obtain a final grade equal to or greater than 50% in each of the final theoretical and practical evaluations, with the possibility of not doing the continuous evaluation.

If a student does not take the continuous evaluation, they will not be able to obtain more than an 8 as a final grade and will also require a 5 as a total grade to pass the subject (that is, they will have to obtain a grade equal to or greater than 6:25 in the sum of the theoretical and practical part of the final exam, first or second call).

In the second call, students who have not passed the theoretical and/or practical part will appear, being able to appear only in the evaluation that has not been passed.

If a student passes the first call of the final assessment and presents himself to improve his grade in the second call, he must do so in the entirety of the theoretical and practical exam, and this implies that he renounces the grade obtained in the first call and the valid grade will be that of the second call

The possibility of an extra exam to improve a grade is not contemplated.

A day will be set to review exams for students who wish to do so.

The number of honors registrations varies each year and depends on the number of students enrolled. Available registrations will be awarded for the best grades.

The student who does not appear in the partial or final exams will be considered "NOT EVALUABLE".

Bibliography

Reference Textbooks

Ferrándiz. Dermatología Clínica. Isabel Bielsa. 6ª edición, Elsevier 2024

Dermatología para el grado de Medicina. Agustín España, 1ª edición, Panamericana 2019.

Jean L Bolognia, Dermatology. 5th Edition, Elsevier 2024

Christopher E. M. Griffiths (Editor), Jonathan Barker (Editor), Tanya O. Bleiker (Editor), Walayat Hussain (Editor), Rosalind C. Simpson (Editor). *Rook's Textbook of dermatology*. 10th edition, 2024

Internet Resources

Wainwright BD. Clinically Relevant Dermatology Resources and the Internet: An Introductory Guide for

Practicing Physicians. *Dermatology Online Journal* 5(2): 8 (<http://dermatology.cbilib.org/DOJdesk/desj.html>)
ADES: Advanced Dermatology Education Server (<http://ades.tmc.edu.tw/english/default.htm>).

Dermatology Image Bank at the University of Utah School of Medicine (
<http://www-medlib.med.utah.edu/kw/derm/>)

Dermatology Online Image Atlas (DOIA) (http://dermis.net/bilddb/index_e.htm)

University of Iowa, Department of Dermatology Home Page (<http://tray.dermatology.uiowa.edu/home.htm>)

Software

1. Virtual Campus UAB

2. Connections Via Zoom and Teams

3. Google Drive or OneDrive to hang classes at pptx / pptx-audio / cideos mp4 or mov, which can not be uploaded directly into the moodle platform of the subject (> 300 MB)

4. Kahoots App for interaction with students

Language list

Information on the teaching languages can be checked on the CONTENTS section of the guide.