



Information about the subject

Degree: Bachelor of Science Degree in Medicine

Faculty: Faculty of Medicine and Health Sciences

Code: 340301 **Name:** Clinical Allergology and Immunology

Credits: 3,00 **ECTS Year:** 3 **Semester:** 2

Module: Human Clinical Training

Subject Matter: Human Pathology **Type:** Compulsory

Field of knowledge: Health Science

Department: Medical Specialities

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Human Clinical Training

Subject Matter	ECTS	Subject	ECTS	Year/semester
Human pathology basis	6,00	General Pathology I	3,00	3/1
		General Pathology II: Analysis by Problems	3,00	3/2
Psychology	6,00	Medical Psychology and Psychopathology	6,00	3/2
Human Pathology	102,00	Clinical Allergology and Immunology	3,00	3/2
		Dermatology	6,00	5/1
		Endocrinology and Nutrition	6,00	5/2
		Haematology	3,00	3/2
		Infectious Diseases	3,00	3/2
		Medical Oncology and Radiotherapy	3,00	5/2
		Medicine and Surgery of the Cardiocirculatory System	9,00	4/2
		Medicine and Surgery of the Digestive System	6,00	4/1
		Medicine and Surgery of the Musculoskeletal System	9,00	4/2
		Medicine and Surgery of the Nephro-Urological System	6,00	5/1



Human Pathology	Medicine and Surgery of the Nervous System	9,00	5/2
	Medicine and Surgery of the Respiratory System	6,00	3/2
	Obstetrics and Gynaecology	9,00	4/2
	Ophthalmology	3,00	3/2
	Otorhinolaryngology	3,00	4/2
	Paediatrics	9,00	5/2
	Palliative Medicine	3,00	6/1
	Psychiatry	3,00	5/1
	Rheumatology	3,00	4/2

Recommended knowledge

This subject aims for the Allergology student to be able to: - Know and understand the mechanisms underlying hypersensitivity reactions. - Understand the mechanisms underlying T2 allergic inflammation. - Correctly carry out an allergy clinical history. - Acquire sufficient theoretical and practical knowledge to diagnose and treat the most prevalent allergic pathologies: respiratory allergy, drug allergy (including exposure and desensitization tests), skin allergy and food allergy (including diagnostic and food exposure tests). - Recognize and treat urgent pathology in Allergology. - Basically know other pathologies that affect the immune system (primary immunodeficiencies, autoimmune diseases, disorders of the complement system). - Know the etiological treatment of allergic disease, which is the immunomodulation produced by specific immunotherapy with allergens or the induction of oral tolerance to foods.



Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Learn essentials of pediatric ophthalmology and the most common ophthalmological tumors.
- R2 Up-to-date knowledge of the etiology, mechanisms and symptoms of cardiovascular disease.
- R3 Know and face-to-face the use of other complementary techniques used in Cardiology (ECO, Stress Test, Holter, Interventionism)
- R4 Witness and collaborate in the elaboration of the patient's medical history with the data obtained from anamnesis, complementary physical examination
- R5 Know the social conditions involved in patient relationships and therapeutic diagnostic decision-making.
- R6 Know the main pharmacological and non-pharmacological therapeutic means.
- R7 Recognize, diagnose and guide the management of the main pathologies of the respiratory system.
- R8 Know how to make a medical history oriented to respiratory pathology.
- R9 Recognize by physical examination the normality and abnormality of pulmonary auscultatory and its meaning.
- R10 Interpret from a clinical and physiological point of view the different basic tests of lung function.
- R11 Know the normal values of a gasometry and interpret in the clinical context of the patient the main gasometric disorders.
- R12 Identify chest x-ray and chest CT abnormalities.
- R13 Be able to establish diagnosis, prognosis and treatment by applying principles based on the theory studied.
- R14 Formulate hypotheses, collect and critically assess problem-solving information, following the scientific method.
- R15 Obtain and develop a medical history that contains all the information relevant from a surgical point of view without forgetting the holistic concept of the disease.



- R16 Distinguishing clinical elemental lesions
- R17 Select the necessary diagnostic tests
- R18 Identify more common skin pathologies
- R19 Search for information in bibliographic sources and know how to analyze them
- R20 To know and understand the mechanisms underlying hypersensitivity reactions
- R21 Correctly taking an allergological medical history
- R22 Acquire theoretical knowledge about the diagnosis and treatment of the most frequent allergies with special attention to respiratory allergies (rhinitis and bronchial asthma).
- R23 Real clinical cases of different allergies (respiratory, medicinal, food, skin). Collective commentary. Differential diagnosis. Treatment.
- R24 Recognize and treat urgent pathology in Allergology. Simulations of different allergological pathologies in situations of vital risk. Anaphylaxis and anaphylactic shock
- R25 To know basically other pathologies that affect the immune system (primary immunodeficiencies, autoimmune diseases, complement system disorders).
- R26 Take a correct medical history of respiratory allergy (rhinitis and/or bronchial asthma). It is important that the student knows how to ask the simplest questions that allow him/her to suspect an allergic aetiology.
- R27 Take a correct medical history of drug allergies. Knowledge of the basic questions to be asked during the history of an adverse drug reaction will be assessed.
- R28 Take a correct food allergy history. It is important that the student knows how to ask the simplest questions that allow him/her to suspect an allergic aetiology (as far as possible due to the availability of patients with these characteristics throughout the training period).
- R29 Correctly take a medical history of skin allergy (as far as possible due to the availability of patients with these characteristics throughout the training period) in any of its forms (acute and chronic urticaria, allergic contact dermatitis, atopic dermatitis, angioedema).
- R30 Recognize the positivity and negativity of skin tests (prick, intradermal, prick by prick) and epicutaneous. They must know the basis of the skin test, as well as how to perform it
- R31 Recognise elementary skin lesions in allergology: hives (urticaria), eczema (atopic, contact), angio-oedema.



- R32 Carry out basic clinical examinations in allergology and recognise the presence of pathologies: anterior rhinoscopy (turbinate hypertrophy, septal deviation, polyps), pulmonary auscultation (ins and expiratory sibilants, rhonchi, crackles), skin exploration in cases where it is necessary, for example, typical location of lesions in atopic eczema.
- R33 The student must know how to interpret obstructive and restrictive spirometric patterns and the bronchodilator test, as well as how to perform a forced spirometry
- R34 Correctly perform a history of allergy to hymenoptera venom (wasp and bee). It will be valued that the student knows how to recognize the different types of reactions, their severity, the risk factors for suffering stings, as well as providing health education to this type of patient (rules of avoidance, management of self-injectable adrenaline)
- R35 To acquire theoretical knowledge about the clinical manifestations, treatment and prognosis of the most prevalent rheumatic diseases. Of special interest are Rheumatoid Arthritis, Spondyloarthropathies, Systemic Lupus Erythematosus, Polymyositis, Sjögren's Syndrome, Systemic Sclerosis, Systemic Vasculitis.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	Students have demonstrated to possess and understand knowledge in a study area that starts from the base of the general secondary education, and is usually found at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the forefront of their field of study				X
CB2	Students know how to apply their knowledge to their job or vocation in a professional way and possess the competences that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study				X
CB3	Students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical topics				X
CB4	Students can pass on information, ideas, problems and solutions to both a specialized and non-specialized audience				X
CB5	Students have developed the learning skills needed to undertake further studies with a high degree of autonomy				X
GENERAL		Weighting			
		1	2	3	4
CG4	Developing professional practice with respect to patient autonomy, beliefs and culture		X		
CG5	Recognizing the limitations themselves and the need to maintain and update their professional competence, giving special importance to the autonomous learning of new knowledge and techniques and to the motivation for quality		X		
CG6	Developing professional practice with respect for other health professionals, acquiring teamwork skills		X		



CG9	Understanding and recognizing the effects, mechanisms and manifestations of the disease on the structure and function of the human body	X		
CG11	Understanding and recognizing the effects of growth, development and aging on the individual and their social environment	X		
CG12	Understanding the basis of action, indications and efficacy of therapeutic interventions, based on available scientific evidence	X		
CG13	Getting and writing a medical history containing all relevant information			X
CG14	Perform a physical exam and mental assessment			X
CG15	Having the ability to make an initial diagnostic judgment and establish a reasoned diagnostic strategy			X
CG16	Recognizing and treating life-threatening situations and those that require immediate attention			X
CG17	Establishing all diagnosis, prognosis and treatment, applying principles based on the best possible information and clinical safety	X		
CG18	Indicating the most appropriate therapeutics of the most prevalent and chronic acute processes, as well as terminally ill patients	X		
CG19	Raising and proposing appropriate preventive measures for each clinical situation	X		
CG20	Acquiring enough clinical experience in hospital institutions, health centers or other health institutions, under supervision, as well as basic knowledge of patient-centered clinical management and appropriate use of tests, medicines and other health system resources			X
CG21	Listening to carefully, obtain and synthesize relevant information about the problems afflicting the patient and understand the content of this information	X		
CG22	Writing medical histories and other medical records in an understandable way to outsiders			X
CG23	Communicating effectively and clearly, both orally and in writing, with patients, family members, media workers and other professionals			X
CG24	Establishing good interpersonal communication that enables patients, family members, media workers and other professionals to address patients, families, media and other professionals with efficiency and empathy	X		



CG29	Knowing national and international health organizations and the environments and conditions of different health systems	X		
CG33	Maintaining and using records with patient information for further analysis, preserving data confidentiality			X
CG36	Being able to formulate hypotheses, critically collect and evaluate information for problem solving, following the scientific method			X

SPECIFIC		Weighting			
		1	2	3	4
CE33	Recognizing, diagnosing and guiding the management of the main skin pathologies			X	
CE34	Recognizing, diagnosing and guiding the management of the main diseases of the blood. Normal and pathological pregnancy and delivery. Puerperium. Sexually transmitted diseases		X		
CE35	Recognizing, diagnosing and guiding the management of the main gynecological pathologies. Contraception and fertilization		X		
CE36	Recognizing, diagnosing and guiding the management of the main ophthalmological pathologies			X	
CE37	Knowing tumor disease, diagnosis and management			X	
CE38	Recognizing, diagnosing and guiding the management of the main ear, nose and throat pathologies				X
CE39	Recognizing, diagnosing and guiding the management of the main cardiocirculatory pathologies				X
CE40	Recognizing, diagnosing and guiding the management of the main diseases of the digestive system			X	
CE41	Recognizing, diagnosing and guiding the management of major nephrouinary pathologies		X		
CE42	Recognizing, diagnosing and guiding the management of the main pathologies of the locomotor system		X		
CE43	Recognizing, diagnosing and guiding the management of the main pathologies of the respiratory system				X
CE44	Recognizing, diagnosing and guiding the management of the main pathologies of the endocrine system. Nutrition pathology		X		



CE45	Recognizing, diagnosing and guiding the management of the main pathologies of the central and peripheral nervous system	X		
CE46	Knowing the main infectious agents and their mechanisms of action		X	
CE47	Recognizing, diagnosing and guiding the management of the main infectious diseases in the different rgans and systems		X	
CE48	Recognizing, diagnosing and guiding the management of the main inmune systems' pathologies.			X
CE49	Knowing the morphological and functional characteristics of the newborn, child and adolescent. Growth. Premature newborn	X		
CE50	Recognizing, diagnosing and guiding the management of the main pediatric pathologies. Child nutrition. Diagnosis and genetic counseling. Cognitive, emotional and psychosocial development in childhood and adolescence	X		
CE51	Knowing the biological, psychological and social foundations of personality and behavior	X		
CE52	Recognizing, diagnosing and guiding the management of psychiatric disorders. Psychotherapy	X		
CE53	Recognizing, diagnosing and guiding the management of major poisonings. Palliative medicine	X		
CE54	Recognizing the characteristics of the pathology prevalent in the elderly. Family and community medicine: living environment of the sick person, promotion of health at the family and community level	X		
CE55	Recognizing, diagnosing and guiding the management of life-threatening situations			X
CE56	Knowing how to make a complete anamnesis, patient-centered and oriented to the various pathologies, interpreting its meaning			X
CE57	Knowing how to do a physical examination by devices and systems, as well as a psychopathological examination, interpreting its meaning		X	
CE58	Knowing how to evaluate the changes of clinical parameters in the different ages. Pregnancy exploration and monitoring			X
CE59	Establishing an action plan, focused on the needs of the patient and the family and social environment, consistent with the symptoms and signs of the patient			X
CE60	Knowing how to do basic and advanced life support			X



TRANSVERSAL	Weighting			
	1	2	3	4
CT1 Analytical and synthesis capacity				X
CT2 Planification and organization capacity				X
CT3 Oral and written communication in mother language				X
CT7 Solving problems				X
CT8 Making decisions				X
CT9 Team work				X
CT10 Interdisciplinary team work				X
CT12 Interpersonal relationship skills				X
CT14 Critical reasoning				X
CT15 Ethical commitment				X
CT16 Individual learning				X
CT17 New situations' adaptation				X
CT26 Knowing how to value personal action and know your own skills and limitations				X
CT32 Being able to establish and maintain relationships with other professionals and institutions				X
CT33 Knowing how to get relevant information from personal interviews				X



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5, R6, R7, R8, R9, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35	25,00%	Open questions
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R16, R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35	70,00%	Tests
	0,00%	Practices
R2, R4, R7, R8, R10, R11, R12, R16, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34	5,00%	Participation in class
	0,00%	Simulations, ECOE
	0,00%	Practice exam

Observations

The duration of the exam will be 70 minutes (test + open questions) The test exam consists of 50 multiple-choice questions with 4 options, only one of which is valid. To pass the exam, 25 net points are required. Every 3 wrong questions subtract one correct question. The maximum score to obtain is 7 points (70% of the final grade). The open question exam is a practical exam with multi-response clinical cases where the student must choose the correct answer from several options. The aim is to evaluate the ability to understand and the practical application of the



knowledge acquired. Errors do not subtract. The maximum score to be achieved is 2.5 points (25% of the final grade). Attendance and participation are evaluated randomly throughout the course by taking attendance rolls. The student's correct participation in class is also included in the evaluation. Its maximum rating is 0.5 points (5% of the final grade). Minimum requirements: You cannot take any subject of module 3 (Human Clinical Training) without having passed all the subjects of module 1 (Morphology, Structure and Function of the Human Body). Criteria for granting honors: Honors registration may be awarded to the best students, who must have obtained a minimum grade of 9. If circumstances require it, a special test may be established to determine those students worthy of honors, taking into account the limitation of 5% of enrolled students. In second and subsequent calls, only those honors registrations that may remain after the first call may be awarded. DEVELOPMENT of the subject in second and subsequent registrations: There will be a specific group for students who are not first enrollment if the classroom occupancy limit is exceeded and a teacher in charge of said group. The teacher in charge of this group will carry out 6 monitoring and tutoring sessions of 2 hours each. The competencies to acquire the skills and abilities of the subject will be carried out through all the practices planned for the subject. In each session the subject will be developed in such a way that the work on the skills that each student needs to be able to pass the subject will be reinforced. The evaluation of contents and skills will be carried out in the exam set in the official calendar for this subject.

MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 Masterclass
- M2 Problems resolution and practical cases



- M3 Virtual simulations
- M4 Content presentations by teacher
- M5 Knowledges and skills explanation
- M7 Oral presentation by student
- M8 Group activities supervised by professor
- M9 Knowledge acquirance through student interaction and activity
- M11 Personalised attention by professor
- M12 Tests to understand the level of knowledge acquirance and skills
- M13 Written work
- M14 Online activity on e-learning
- M15 Personal study
- M16 Information research
- M17 Discussion and solving issues in group
- M18 Work in team
- M19 Group work for searching, discussion and information research
- M21 Supervision of clinical histories
- M22 Clinical practices



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theory class M1, M2, M4, M5, M9, M11	R1, R2, R3, R4, R5, R6, R7, R8, R10, R11, R12, R16, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35	53,00	2,12
Evaluation M5, M12	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R16, R17, R18, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35	1,00	0,04
TOTAL		54,00	2,16

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
No attendance M1, M2, M4, M5, M17, M19	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35	21,00	0,84
TOTAL		21,00	0,84



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
BLOCK I: DIDACTIC UNIT I: INTRODUCTION TO ALLERGOLOGY AND CLINICAL IMMUNOLOGY. PHYSIOPATHOLOGICAL BASES. PREVALENCE OF ALLERGIC DISEASES. ALLERGENS.	CB1,CB2,CB3,CB4,CB5,CG4,CG5,CG6,CG9,CG11,CG12 , CG13,CG14,CG15,CG16, CG18,CG19,CG20,CG21, CG22,CG23,CG24,CG29, CG33,CG36,CT1,CT2,CT3, CT7,CT8,CT9,CT10,CT12, CT14,CT15,CT16,CT17,CT26,CT32,CT33,CE46,CE47,CE 48CE56
BLOCK II: DIDACTIC UNIT II: ALLERGIC INFLAMMATION. EFFECTOR CELLS. IMMUNOGLOBULIN E. INFLAMMATORY MEDIATORS. TYPES OF ALLERGIC REACTIONS.	CB1,CB2,CB3,CB4,CB5,CG4,CG5,CG6,CG9,CG11,CG12 , CG13,CG14,CG15,CG16, CG18,CG19,CG20,CG21, CG22,CG23,CG24,CG29, CG33,CG36, CT1,CT2,CT3, CT7,CT8,CT9,CT10,CT12, CT14,CT15,CT16,CT17,CT26,CT32,CT33,CE46,CE47,CE 48CE56
BLOCK III: DIDACTIC UNIT III: RESPIRATORY ALLERGY. RHINITIS. BRONCHIAL ASTHMA. OTHER ALLERGIC PULMONARY PATHOLOGIES: BRONCHOPULMONARY ASPERGYLOSIS. PNEUMONITIS DUE TO HYPERSENSITIVITY. PULMONARY EOSINOPHILIA.	CB1,CB2,CB3,CB4,CB5,CG4,CG5,CG6,CG9,CG11,CG12 , CG13,CG14,CG15,CG16, CG18,CG19,CG20,CG21, CG22,CG23,CG24,CG29, CG33,CG36, CT1,CT2,CT3, CT7,CT8,CT9,CT10,CT12, CT14,CT15,CT16,CT17,CT26,CT32,CT33,CE46,CE47,CE 48CE56
BLOCK IV: DIDACTIC UNIT IV: ADVERSE REACTIONS TO MEDICINES	CB1,CB2,CB3,CB4,CB5,CG4,CG5,CG6,CG9,CG11,CG12 , CG13,CG14,CG15,CG16, CG18,CG19,CG20,CG21, CG22,CG23,CG24,CG29, CG33,CG36, CT1,CT2,CT3, CT7,CT8,CT9,CT10,CT12, CT14,CT15,CT16,CT17,CT26,CT32,CT33,CE46,CE47,CE 48CE56



BLOCK V: DIDACTIC UNIT V: OTHER ALLERGOPATHIES. FOOD ALLERGY IN ITS DIFFERENT MANIFESTATIONS. SKIN ALLERGY IN ITS DIFFERENT MANIFESTATIONS. LATEX ALLERGY. ALLERGIC REACTIONS TO HYMENOPTERA VENOM. ANAPHYLAXIS.

CB1,CB2,CB3,CB4,CB5,CG4,CG5,CG6,CG9,CG11,CG12 , CG13,CG14,CG15,CG16, CG18,CG19,CG20,CG21, CG22,CG23,CG24,CG29, CG33,CG36, CT1,CT2,CT3, CT7,CT8,CT9,CT10,CT12, CT14,CT15,CT16,CT17,CT26,CT32,CT33,CE46,CE47,CE 48CE56

BLOCK VI: DIDACTIC UNIT VI: PRIMARY IMMUNODEFICIENCIES. COMPLEMENT DISORDERS. AUTOIMMUNE DISEASES

CB1,CB2,CB3,CB4,CB5,CG4,CG5,CG6,CG9,CG11,CG12 , CG13,CG14,CG15,CG16, CG18,CG19,CG20,CG21, CG22,CG23,CG24,CG29, CG33,CG36, CT1,CT2,CT3, CT7,CT8,CT9,CT10,CT12, CT14,CT15,CT16,CT17,CT26,CT32,CT33,CE46,CE47,CE 48CE56



Temporary organization of learning:

Block of content	Number of sessions	Hours
BLOCK I: DIDACTIC UNIT I: INTRODUCTION TO ALLERGOLOGY AND CLINICAL IMMUNOLOGY. PHYSIOPATHOLOGICAL BASES. PREVALENCE OF ALLERGIC DISEASES. ALLERGENS.	4,00	8,00
BLOCK II: DIDACTIC UNIT II: ALLERGIC INFLAMMATION. EFFECTOR CELLS. IMMUNOGLOBULIN E. INFLAMMATORY MEDIATORS. TYPES OF ALLERGIC REACTIONS.	2,00	4,00
BLOCK III: DIDACTIC UNIT III: RESPIRATORY ALLERGY. RHINITIS. BRONCHIAL ASTHMA. OTHER ALLERGIC PULMONARY PATHOLOGIES: BRONCHOPULMONARY ASPERGYLOSIS. PNEUMONITIS DUE TO HYPERSENSITIVITY. PULMONARY EOSINOPHILIA.	6,00	12,00
BLOCK IV: DIDACTIC UNIT IV: ADVERSE REACTIONS TO MEDICINES	3,00	6,00
BLOCK V: DIDACTIC UNIT V: OTHER ALLERGOPATHIES. FOOD ALLERGY IN ITS DIFFERENT MANIFESTATIONS. SKIN ALLERGY IN ITS DIFFERENT MANIFESTATIONS. LATEX ALLERGY. ALLERGIC REACTIONS TO HYMENOPTERA VENOM. ANAPHYLAXIS.	6,00	12,00
BLOCK VI: DIDACTIC UNIT VI: PRIMARY IMMUNODEFICIENCIES. COMPLEMENT DISORDERS. AUTOIMMUNE DISEASES	6,00	12,00

References

DÁVILA GONZÁLEZ I, JÁUREGUI PRESA I, OLAGUIBEL RIVERA JM, ZUBELDÍA ORTUÑO JM. Tratado de Alergología. 2ª edición. Vols. I y II. Madrid. Luzan 5. 2016. ISBN:978-84-16270-81-1.



Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

Microsoft Teams

Kaltura



Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

Microsoft Teams

Kaltura

Explanation about the practical sessions:



2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System: