



PLANT BIODIVERSITY

26528 - PLANT BIODIVERSITY (2024-25)

General

Code: 26528

Lecturer responsible:

MARTINEZ AZORIN, MARIO

Credits ECTS:	6,00
Theoretical credits:	1,00
Practical credits:	1,40
Distance-base hours:	3,60

Departments involved

■ **Dept:** ENVIRONMENTAL SCIENCES AND NATURAL RESOURCES

Area: BOTANICS

Theoretical credits: 1

Practical credits: 1,4

This Dept. is responsible for the course.

This Dept. is responsible for the final mark record.

Study programmes where this course is taught

■ [DEGREE IN BIOLOGY](#)

Course type: COMPULSORY (Year: 2)

Competencies and objectives

Course context for academic year 2024-25

Plant biodiversity is a compulsory subject in the Formative Key Module of the Degree in Biology. The primary goal is to provide students a global vision of the different organisms of the plant world. Consequently, Plant biodiversity is considered as one of the basic pillars for the future biologists, to gain a complete picture of the overall complexity of the plant organisms and their evolutionary processes.

Plant biodiversity aims to provide students the basic tools for the better knowledge of plant world as a whole, and to offer a global vision of the main plant groups present in nature. Plant organisms, due to their biodiversity and biomass in terrestrial and marine ecosystems, are of paramount importance in almost all environments, not only as primary producers but as sustenance and support for other groups of living being, with which they constantly interact in ecosystems. The course begins with an overview of this discipline, by recalling and expanding some of the aspects studied in previous semesters. The subsequent study of the main plant groups is the principal part of the subject, according to evolutionary and adaptive perspectives. Special emphasis will be placed on the universal value of scientific nomenclature and botanical names, as the only unambiguous attributes for using modern information search systems. Furthermore, the study of flora conservation is undertaken in the final part of the subject, which will facilitate the proper tools to study the plant conservation and management plans for endangered plant species.

The location of this subject in the Second semester of the Second course (year) of the Biology degree will provide the student an easier comprehension of the basics of this subject. Students have already been studied the main basics of the Botany (science which includes Plant Biodiversity) for a correct understanding of botanical matters. Therefore, students will be able to deepen with agility and solvency in the particular contents of Botany, allowing them to reach the competences own of the subject. However, it has to be properly coordinated with the rest of subjects of both the Degree and the Second course to ensure proper acquirement of generic skills of the module.

Summarizing, Plant Biodiversity provides the basic knowledge to successfully cope with some of the matters and subjects of the degree that are tenable at the following semesters, as well as for the development of the professional activity of the future Graduate in Biology, according with the specific competencies conferred by the Spanish Official College of Biologists (COB).

Course content (verified by ANECA in official undergraduate and Master's degrees) for academic year {0}

Generic Degree Course Competences

- **CG1** : Desenvolupar la capacitat d'anàlisi, síntesi i raonament crític.
- **CG10** : Desenvolupar actituds crítiques basades en el coneixement.
- **CG3** : Resoldre problemes de manera efectiva.
- **CG4** : Demostrar capacitat de treball en equip.
- **CG5** : Comprometre's amb l'ètica i els valors d'igualtat, i també en la responsabilitat social com a ciutadà i com a professional.
- **CG6** : Aprendre de manera autònoma.
- **CG8** : Adquirir una preocupació permanent per la qualitat i el medi ambient i la prevenció de riscos laborals.
- **CG9** : Demostrar habilitat per a transmetre informació, idees, problemes i solucions a un públic tant especialitzat com no especialitzat.

Specific Competences:>>Theoretical

- **CE11** : Conèixer els principis de la sistemàtica i la filogènia.
- **CE7** : Comprendre els mecanismes i models evolutius.
- **CE9** : Identificar organismes i interpretar la diversitat d'espècies en el medi, així com el seu origen, evolució i comportament.

Specific Competences:>>Ability

- **CE36** : Elaborar, presentar i defensar informes científics i tècnics tant de manera escrita com oral davant d'una audiència.
- **CE37** : Saber cercar, analitzar, comprendre i redactar textos científics i tècnics.
- **CE38** : Utilitzar correctament els mètodes inductiu i deductiu en l'àmbit de la biologia.
- **CE42** : Saber identificar, analitzar, catalogar organismes biològics.

Generic UA Competences

- **CGUA2** : Expressar-se correctament en qualsevol de les llengües oficials de la Comunitat Valenciana de manera oral i escrita.

Exclusive skill taught in this course

No data

Learning outcomes (Training objectives)

No data

Specific objectives stated by the academic staff for academic year 2024-25

- To know and understand the main basics of plant systematic and phylogeny.
- To recognise and identify plant organisms.
- To interpret the plant diversity in the environment, plus their evolutive origin and ecological behaviour.
- To understand the basics of evolutionary models.
- To generate reports and talks on Botany from the information obtained in both lectures and practical classes.

Content and bibliography

Content for academic year 2024-25

Theory program for Plant Biodiversity

Thematic unit 1. Taxonomy and classification systems

Topic 1. Basic concepts: Taxonomy and Systematics. Classification systems: past and current.

Thematic unit 2. Biodiversity and phylogeny of land plants: embryophytes (Kingdom Plantae)

Topic 2. Origin of terrestrial plants: main theories. Identification of the ancestor group of land plants. Tests and evidence. Theories of colonization of the terrestrial environment.

Topic 3. Non-vascular embryophytes. Bryophytes: mosses (Div. Bryophyta), liverworts (Div. Marchantiophyta) and hornworts (Div. Anthocerotophyta). Diagnostic characteristics and ecology. Phylogeny and main groups. Economic and ecological importance.

Topic 4. Tracheophytes dispersed by spores (I). Evolutionary lines and main groups: lycophytes (primitive ferns) and polypodiophytes (evolved ferns). Lycopodiophytes (Div. Lycopodiophyta): diagnostic characteristics and ecology. Origin and fossil record.

Topic 5. Tracheophytes dispersed by spores (II). Polypodiophytes or monilophytes (Div. Polypodiophyta): main orders and phylogenetic relationships. Diagnostic characteristics and ecology.

Topic 6. Spermatophytes (Div. Spermatophyta). Diagnostic characteristics: development of the seminal primordium. Gymnosperms: origin and precursor lines (Progymnosperms and Pteridosperms). Classes Cyadopsida, Ginkgopsida, Pinopsida (conifers) and Gnetopsida. Main groups: diagnostic characteristics, phylogenetic relationships and ecology.

Topic 7. Spermatophytes. Angiosperms. Basal group of angiosperms and Magnolidae. Phylogeny and main families. Diagnostic characteristics and ecology.

Topic 8. Spermatophytes. Angiosperms. Monocotyledons I. Diagnostic characters and evolutionary lines. Orders Acorales, Alismatales, Liliales and Asparagales. Phylogeny and main families: Diagnostic characteristics and ecology.

Topic 9. Spermatophytes. Angiosperms. Monocotyledons II. Orders Arecales, Commelinaceae and Poales. Phylogeny and main families. Diagnostic characteristics and ecology.

Topic 10. Spermatophytes. Angiosperms. Basal group of eudicots. Diagnostic characters, phylogeny and main groups. Orders Proteales and Ranunculales. Main families: Ranunculaceae and Papaveraceae. Diagnostic characteristics and ecology.

Topic 11. Spermatophytes. Angiosperms. The core of the eudicots or Pentapetalas: order Saxifragales and the clade "Fabidae" (I). Phylogeny and main families (Crassulaceae, Euphorbiaceae, Salicaceae and Fabaceae). Main genera, diagnostic characteristics and ecology. Economic interest.

Topic 12. Spermatophytes. Angiosperms. The core of the eudicots or Pentapetalas: the "Fabidae" clade (II). Phylogeny and main families (Fagaceae, Rosaceae, Rhamnaceae, Ulmaceae, Moraceae and Urticaceae). Main genera, diagnostic characteristics and ecology. Economic interest.

Topic 13. Spermatophytes. Angiosperms. The core of the eudicots or Pentapetalas: the "Malvidae" clade. Phylogeny and main families (Malvaceae, Cistaceae, Brassicaceae, Rutaceae, Anacardiaceae and Geraniaceae). Main genera, diagnostic characteristics and ecology. Economic interest.

Topic 14. Spermatophytes. Angiosperms. The nucleus of the eudicots or Pentapetalas: the order Caryophyllales (I). Phylogenetic relationships and main families (Caryophyllaceae and Cactaceae) Main genera, diagnostic characteristics and ecology.

Topic 15. Spermatophytes. Angiosperms. The nucleus of the eudicots or Pentapetalas: the order Caryophyllales (II). Phylogenetic relationships. Main families (Amaranthaceae, Plumbaginaceae and Tamaricaceae). Main genera, diagnostic characteristics and ecology.

Topic 16. Spermatophytes. Angiosperms. The core of the eudicots or Pentapetalas: the "Asteridae" clade (I): the "Lamiidae" subclade. Phylogeny and main families (Lamiaceae, Oleaceae, Solanaceae and Rubiaceae). Main genera, diagnostic characteristics and ecology. Economic interest.

Topic 17. Spermatophytes. Angiosperms. The core of the eudicots or Pentapetalas: the clade "Asteridae" (II): the order Ericales and subclade Campanulidae. Phylogeny and main families (Ericaceae, Apiaceae, Asteraceae). Main genera, diagnostic characteristics and ecology. Economic interest.

Thematic unit 3. Geobotany

Topic 18. Geobotany: basic concepts. Factors that condition plant life. Bioclimatology: biomes and macrobioclimates. Biogeography and Chorology. Flora: non-native and native plants. Plant endemism. Floristic Kingdoms of the world. Biogeography of Spain.

Topic 19. Vegetation: basic concepts. Vegetation dynamics: plant succession. Introduction to the plant formations of Mediterranean Spain.

Thematic unit 4. Conservation

Topic 20. Biodiversity and Conservation. Genetic erosion and species extinction. Protection of flora: red lists of species. Conservation strategies (in situ, ex situ). Habitat conservation: Protected Natural Spaces. Conservation of species (germplasm banks, botanical gardens, etc.). Control of species trade.

Practical contents

PRACTICE 1. Plants dispersed by spores: recognition of the main groups. (2 hours)

Recognition and determination of the main organisms dispersed by spores: Bryophytes, Lycophytes and Polypodiophytes (monilophytes).

Necessary material: binocular magnifying glasses, microscopes, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Students identify the morphological characters necessary to distinguish the main genera that are present in the Iberian Peninsula. With this practice, work begins on determining organisms with dichotomous keys.

PRACTICE 2. Gymnosperms. Recognition of the main groups. (2 hours)

Students identify the morphological characters necessary to distinguish between large groups of spermatophytes. Special emphasis will be placed on the taxonomic groups of gymnosperms, and especially on the genera present in our flora: Pinus, Juniperus and Ephedra. In addition, genera and species used in gardening may be included.

Necessary material: binocular magnifying glasses, microscopes, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Identification of vegetative and reproductive structures of the main groups. Management of dichotomous keys

PRACTICE 3. Angiosperms I. Recognition of the main groups – Fam. Brassicaceae. (2.5 hours)

In this practice we will begin to work on the main groups of angiosperms. Those main families that have a wide representation in our flora will be studied, such as the Brassicaceae, Fabaceae, Lamiaceae, Asteraceae and Poaceae families. Along with each of them, other families such as Euphorbiaceae, Cistaceae, Malvaceae and Papaveraceae, as well as families from the orders Liliales and Asparagales, will be studied. It is important to indicate that the order of the families in sessions 4, 5, 6, 7 and 8 is highly conditioned by the material available in the field, so sometimes the families to be studied in these practice sessions may vary.

Necessary material: binocular magnifying glasses, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Identification of vegetative and reproductive structures of the main groups. Management of dichotomous keys

PRACTICE 4. Angiosperms II. Recognition of the main families of the Order Caryophyllales: Fam. Caryophyllaceae, Fam. Amaranthaceae, Fam. Tamaricaceae, Fam. Plumbaginaceae. (2.5 hours)

Necessary material: binocular magnifying glasses, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Identification of vegetative and reproductive structures of the main groups. Management of dichotomous keys

PRACTICE 5. Angiosperms III. Recognition of the main groups - Fam. Fabaceae. (2 hours)

Necessary material: binocular magnifying glasses, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Identification of vegetative and reproductive structures of the main groups. Management of dichotomous keys

PRACTICE 6. Angiosperms IV. Recognition of the main groups - Fam. Lamiaceae. (2 hours)

Necessary material: binocular magnifying glasses, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Identification of vegetative and reproductive structures of the main groups. Management of dichotomous keys.

PRACTICE 7. Angiosperms V. Recognition of the main groups - Fam. Asteraceae. (2 hours)

Necessary material: binocular magnifying glasses, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Identification of vegetative and reproductive structures of the main groups. Management of dichotomous keys.

PRACTICE 8. Angiosperms VI. Recognition of the main groups – Fam. Poaceae. (2.5 hours)

Necessary material: binocular magnifying glasses, camera adapted to a magnifying glass, computer and projector cannon, specialized bibliography, preserved and live material.

Didactic objectives: Identification of vegetative and reproductive structures of the main groups. Management of dichotomous keys.

FIELD WORK.

Two field excursions are programmed: 1. Cabo de Santa Pola (4 hours). 2. Estación Biológica-Jardín Botánico de Torretes (Ibi) (5 hours).

Related links

No data

Bibliography

Plants of the world : an illustrated encyclopedia of vascular plant families

Author(s): Christenhusz, M.J.M.

Issue: Richmond : Royal Botanic Garden, 2017;

ISBN: 978-0-226-52292-0

Category: Básico

Curso de botánica

Author(s): Díaz González, Tomás E.

Issue: Gijón : Trea , 2004;

ISBN: 978-84-9704-113-3

Category: Básico

Claves ilustradas para la flora valenciana

Author(s): Mateo Sanz, Gonzalo ; Crespo Villalba, Manuel Benito

Issue: Jaca : Jolube Consultor Botánico y Editor, 2014;

ISBN: 978-84-941996-7-7

Category: Básico

Plant systematics

Author(s): Simpson, Michael G.

Issue: Amsterdam : Academic Press, 2020;

ISBN: 978-0-12-812628-8

Category: Sin especificar

El árbol de la vida : sistemática y evolución de los seres vivos

Author(s): Vargas, Pablo ; Zardoya, Rafael (eds.)

Issue: Madrid : Museo Nacional de Ciencias Naturales, 2012;

ISBN: 978-84-615-9740-6

Category: Complementario

Botánica

Author(s): Izco, Jesús

Issue: Madrid : McGraw-Hill Interamericana, 2004;

ISBN: 978-84-486-0609-1

Category: Sin especificar

Tratado de botánica

Author(s): Strasburger, Eduard

Issue: Barcelona : Omega, 2004;

ISBN: 84-282-1353-4

Category: Sin especificar

Plant systematics : a phylogenetic approach

Author(s): JUDD, Walter S. [et al.]

Issue: Sunderland, Mass. : Sinauer Associates, 2008;

ISBN: 978-0-87893-407-2

Category: Sin especificar

Assessment

Assessment procedures and criteria 2024-25

Student attendance to Theory is not mandatory, but those activities related to practical classes (laboratory and fieldwork), seminars and tutorials (as a part of the continuous evaluation) are mandatory. The marks of the continuous evaluation will not be maintained for new academic years. In the official timetable of the course, two evaluation periods exist for the so-called Final test. In the first one (June), the final score will be calculated by adding the percentage of the continuous evaluation (50%) and the percentage of the final control (50%), if and when the latter reaches at least 4 out of the maximum 10 points. As part of the continuous evaluation several written short tests (partials) will be carried out which will cover most of the theory matter studied so far (not matter is released in each one). In the extraordinary period of evaluation (July), students can choose two different possibilities:

1.- An unique evaluation of the whole subject (100%). Students can retake all parts of the subject (including the continuous evaluation), with 100% of the score. In this final test, students will be assessed of all matters developed during the course (theory, laboratory and field practicals, seminars and tutorials, etc.). Students will need to have attended, at least, to the 75% of the mandatory seasons (only under highly exceptional circumstances that are to be properly justified to lecturers, exceptions will be made). This final evaluation will include an exam (test or short questions) and a laboratory exam (visu identification and identification by dichotomous keys).

2.- An evaluation of the final test (50%). Therefore, the final score will be the sum of the continuous evaluation (50%) plus the score of this final test (50%). To choose this second option, students will need to obtain a score 4 (out of 10) of the continuous evaluation. This final evaluation will include an exam (test or short questions).

After completion of the extraordinary evaluation test, none of the scores previously obtained by those students who have not passed the whole subject will be conserved. They must course all the activities of the subject in the next years.

Extraordinary period of evaluation (December)

A unique evaluation of the whole subject will be done. This exam will include short or test questions (60%) of all the aspects covered in the subject during the course plus a practical exam (visu identification and identification by dichotomous keys) (40%).

Students joining the Curricular Adaptation System

Evaluation will accord with the general rules established in the present Guide, but following the Reglamento de Adaptación Curricular of the University of Alicante (BOUA 28-07-2015).

Criteria:

Practical. Laboratory and fieldtrip. The laboratory practical will be examined during the laboratory sessions. For the fieldtrip sessions, the student will have a guide notes for their self-evaluation, and this practical will be evaluated in situ, or through exercises on line or the delivery reports.

Short controls (theory). Short written controls will be carried out in classroom. The different controls will not eliminate matter, so that they will include all items studied until that time.

Seminars. These will include individual and cooperative work on videos, oral presentations, and exercises connected to theoretical/practical items. Active participation in debates and in-class presentations.

Tutorials. Very specific objectives of the subject will be handled for a better comprehension of the subject, and they will be assessed through on-line exercises, oral or written exercises in classroom.

Final test. This will include 90 questions (test-type control), which will deal with all activities carried out during the course: theory, practicals (laboratory and fieldwork), tutorials, and/or seminars.

Description	Criteria	Type	Weighting system
Practical Laboratory and fieldtrip	Laboratory practicals will be evaluated in situ in the laboratory, or through exercises on line or the delivery of reports.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	20
Short controls (theory)	Short controls (theory). Short written controls will be carried out in classroom. The different controls will not eliminate matter, so that they will include all items studied until that time.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	15
Seminars	Seminars. These will include individual and cooperative work on videos, oral presentations, and exercises connected to theoretical/practical items. Active participation in debates and in-class presentations.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	5
Tutorials, Field excursions and Herbarium	Tutorials will focus on recognizing the most common flowering plant families and their reproductive structures. Field excursion will allow students to practice in situ with our wild flora, including coastal and mountainous vegetation. These activities will be evaluated with a herbarium of pressed plants.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	10
Final test	Final test. This will include 60-90 questions (test-type control), which will deal with all activities carried out during the course: theory, practicals (laboratory and fieldwork), tutorials, and/or seminars.	FINAL TEST	50

Official exam dates for academic year 2024-25

Exam session	Date	Time	Group - Classroom(s) allocated	Comments
(C3) Periodo ordinario para asignaturas de segundo semestre y anuales	12/06/2025			
(C4) Pruebas extraordinarias para asignaturas de grado y máster	09/07/2025			

Academic staff



MARTINEZ AZORIN, MARIO

Lecturer responsible

THEORY CLASS: Groups: 2

FIELD WORK PRACTICALS: Groups: C5 , C6

LAB PRACTICALS: Groups: L1 , L2 , L3 , L5 , L6 , L7

GROUP TUTORIALS: Groups: T2

THEORETICAL/PRACTICAL SEMINAR / WORKSHOP: Groups: S2



ALONSO VARGAS, MARIA ANGELES

FIELD WORK PRACTICALS: Groups: C6



CARRILLO LOPEZ, ANTONIO FELIX

FIELD WORK PRACTICALS: Groups: C1 , C2 , C3 , C5 , C4

LAB PRACTICALS: Groups: L1 , L3 , L4 , L5 , L6 , L7



JUAN GALLARDO, ANA ISABEL

THEORY CLASS: Groups: 3

FIELD WORK PRACTICALS: Groups: C1 , C9

LAB PRACTICALS: Groups: L3 , L9

GROUP TUTORIALS: Groups: T3

THEORETICAL/PRACTICAL SEMINAR / WORKSHOP: Groups: S3



PENA MARTIN, CAROLINA

FIELD WORK PRACTICALS: Groups: C2 , C7 , C14

LAB PRACTICALS: Groups: L1 , L2 , L4 , L5 , L6 , L7 , L14



PEREZ BOTELLA, JOAN

LAB PRACTICALS: Groups: L4 , L5 , L6 , L14



RIOS RUIZ, SEGUNDO

FIELD WORK PRACTICALS: Groups: C4

LAB PRACTICALS: Groups: L1



VILLAR GARCIA, JOSE LUIS

THEORY CLASS: Groups: 1 , 14

LAB PRACTICALS: Groups: L3

GROUP TUTORIALS: Groups: T1 , T14

THEORETICAL/PRACTICAL SEMINAR / WORKSHOP: Groups: S1 , S14

Groups

THEORY CLASS

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	On registration, distribution
Gr. 1 (THEORY CLASS) : 1	2S	All day	Spanish	58	From ID document number A - To ID document number N
Gr. 14 (THEORY CLASS) : 14	2S	All day	Valencian	17	
Gr. 2 (THEORY CLASS) : 2	2S	All day	Spanish	44	From ID document number P - To ID document number Z
Gr. 3 (THEORY CLASS) : 3(ARA)	2S	All day	English	10	

FIELD WORK PRACTICALS

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	On registration, distribution
Gr. C1 (FIELD WORK PRACTICALS) : C1	2S	All day	Spanish	16	From ID document number A - To ID document number C
Gr. C14 (FIELD WORK PRACTICALS) : C14	2S	All day	Valencian	17	
Gr. C2 (FIELD WORK PRACTICALS) : C2	2S	All day	Spanish	13	From ID document number D - To ID document number F
Gr. C3 (FIELD WORK PRACTICALS) : C3	2S	All day	Spanish	12	From ID document number G - To ID document number J
Gr. C4 (FIELD WORK PRACTICALS) : C8	2S	All day	Spanish	17	From ID document number K - To ID document number N
Gr. C5 (FIELD WORK PRACTICALS) : C5	2S	All day	Spanish	13	From ID document number P - To ID document number R
Gr. C6 (FIELD WORK PRACTICALS) : C6	2S	All day	Spanish	19	From ID document number S - To ID document number V
Gr. C7 (FIELD WORK PRACTICALS) : C7	2S	All day	Spanish	12	From ID document number W - To ID document number Z
Gr. C9 (FIELD WORK PRACTICALS) : C9(ARA)	2S	All day	English	10	

LAB PRACTICALS

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	On registration, distribution
Gr. L1 (LAB PRACTICALS) : L1	2S	All day	Spanish	16	From ID document number A - To ID document number C
Gr. L14 (LAB PRACTICALS) : L14	2S	All day	Valencian	17	
Gr. L2 (LAB PRACTICALS) : L2	2S	All day	Spanish	13	From ID document number D - To ID document number F
Gr. L3 (LAB PRACTICALS) : L3	2S	All day	Spanish	12	From ID document number G - To ID document number J
Gr. L4 (LAB PRACTICALS) : L4	2S	All day	Spanish	17	From ID document number K - To ID document number N
Gr. L5 (LAB PRACTICALS) : L5	2S	All day	Spanish	13	From ID document number P - To ID document number R
Gr. L6 (LAB PRACTICALS) : L6	2S	All day	Spanish	19	From ID document number S - To ID document number V
Gr. L7 (LAB PRACTICALS) : L7	2S	All day	Spanish	12	From ID document number W - To ID document number Z
Gr. L9 (LAB PRACTICALS) : L9(ARA)	2S	All day	English	10	

GROUP TUTORIALS

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	On registration, distribution
Gr. T1 (GROUP TUTORIALS) : T1	2S	All day	Spanish	58	From ID document number A - To ID document number N
Gr. T14 (GROUP TUTORIALS) : T14	2S	All day	Valencian	17	
Gr. T2 (GROUP TUTORIALS) : T2	2S	All day	Spanish	44	From ID document number P - To ID document number Z
Gr. T3 (GROUP TUTORIALS) : T3(ARA)	2S	All day	English	10	

THEORETICAL/PRACTICAL SEMINAR / WORKSHOP

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	On registration, distribution
Gr. S1 (THEORETICAL/PRACTICAL SEMINAR / WORKSHOP) : S1	2S	All day	Spanish	58	From ID document number A - To ID document number N
Gr. S14 (THEORETICAL/PRACTICAL SEMINAR / WORKSHOP) : S14	2S	All day	Valencian	17	
Gr. S2 (THEORETICAL/PRACTICAL SEMINAR / WORKSHOP) : S2	2S	All day	Spanish	44	From ID document number P - To ID document number Z
Gr. S3 (THEORETICAL/PRACTICAL SEMINAR / WORKSHOP) : S3(ARA)	2S	All day	English	10	

Timetables

THEORY CLASS

Group	Start date	End date	Day	Start time	End time	Lecture room
1	29/01/2025	29/01/2025	MIE	17:00	18:00	A2/A01 
1	31/01/2025	31/01/2025	VIE	15:00	16:00	A2/A01 
1	03/02/2025	03/02/2025	LUN	17:00	18:00	A2/A01 
1	07/02/2025	07/02/2025	VIE	15:00	16:00	A2/A01 
1	12/02/2025	12/02/2025	MIE	17:00	18:00	A2/A01 
1	14/02/2025	14/02/2025	VIE	15:00	16:00	A2/A01 
1	19/02/2025	19/02/2025	MIE	17:00	18:00	A2/A01 
1	24/02/2025	24/02/2025	LUN	17:00	18:00	A2/A01 
1	26/02/2025	26/02/2025	MIE	17:00	18:00	A2/A01 
1	03/03/2025	03/03/2025	LUN	17:00	18:00	A2/A01 
1	05/03/2025	05/03/2025	MIE	17:00	18:00	A2/A01 
1	17/03/2025	17/03/2025	LUN	17:00	18:00	A2/A01 
1	18/03/2025	18/03/2025	MAR	17:00	18:00	A2/A01 
1	21/03/2025	21/03/2025	VIE	15:00	16:00	A2/A01 
1	24/03/2025	24/03/2025	LUN	17:00	18:00	A2/A01 
1	26/03/2025	26/03/2025	MIE	17:00	18:00	A2/A01 
1	27/03/2025	27/03/2025	JUE	15:00	16:00	A2/A01 
1	31/03/2025	31/03/2025	LUN	17:00	18:00	A2/A01 
1	02/04/2025	02/04/2025	MIE	17:00	18:00	A2/A01 
1	10/04/2025	10/04/2025	JUE	16:00	17:00	A2/A01 
1	11/04/2025	11/04/2025	VIE	16:00	17:00	A2/A01 
1	05/05/2025	05/05/2025	LUN	17:00	18:00	A2/A01 
1	07/05/2025	07/05/2025	MIE	17:00	18:00	A2/A01 
1	09/05/2025	09/05/2025	VIE	15:00	16:00	A2/A01 
1	12/05/2025	12/05/2025	LUN	17:00	18:00	A2/A01 
14	29/01/2025	29/01/2025	MIE	16:00	17:00	A2/E01 
14	31/01/2025	31/01/2025	VIE	16:00	17:00	A2/E01 
14	03/02/2025	03/02/2025	LUN	15:00	16:00	A2/E01 

Group	Start date	End date	Day	Start time	End time	Lecture room
14	07/02/2025	07/02/2025	VIE	16:00	17:00	A2/E01 
14	12/02/2025	12/02/2025	MIE	16:00	17:00	A2/E01 
14	14/02/2025	14/02/2025	VIE	16:00	17:00	A2/E01 
14	19/02/2025	19/02/2025	MIE	16:00	17:00	A2/E01 
14	24/02/2025	24/02/2025	LUN	15:00	16:00	A2/E01 
14	26/02/2025	26/02/2025	MIE	16:00	17:00	A2/E01 
14	03/03/2025	03/03/2025	LUN	15:00	16:00	A2/E01 
14	05/03/2025	05/03/2025	MIE	16:00	17:00	A2/E01 
14	17/03/2025	17/03/2025	LUN	16:00	17:00	A2/E01 
14	18/03/2025	18/03/2025	MAR	16:00	17:00	A2/E01 
14	21/03/2025	21/03/2025	VIE	16:00	17:00	A2/E01 
14	24/03/2025	24/03/2025	LUN	15:00	16:00	A2/E01 
14	26/03/2025	26/03/2025	MIE	16:00	17:00	A2/E01 
14	27/03/2025	27/03/2025	JUE	16:00	17:00	A2/E01 
14	31/03/2025	31/03/2025	LUN	15:00	16:00	A2/E01 
14	02/04/2025	02/04/2025	MIE	16:00	17:00	A2/E01 
14	10/04/2025	10/04/2025	JUE	15:00	16:00	A2/E01 
14	11/04/2025	11/04/2025	VIE	15:00	16:00	A2/E01 
14	05/05/2025	05/05/2025	LUN	15:00	16:00	A2/E01 
14	07/05/2025	07/05/2025	MIE	16:00	17:00	A2/E01 
14	09/05/2025	09/05/2025	VIE	16:00	17:00	A2/E01 
14	12/05/2025	12/05/2025	LUN	15:00	16:00	A2/E01 
2	29/01/2025	29/01/2025	MIE	16:00	17:00	A2/A02 
2	31/01/2025	31/01/2025	VIE	16:00	17:00	A2/A02 
2	03/02/2025	03/02/2025	LUN	15:00	16:00	A2/A02 
2	07/02/2025	07/02/2025	VIE	16:00	17:00	A2/A02 
2	12/02/2025	12/02/2025	MIE	16:00	17:00	A2/A02 
2	14/02/2025	14/02/2025	VIE	16:00	17:00	A2/A02 
2	19/02/2025	19/02/2025	MIE	16:00	17:00	A2/A02 
2	24/02/2025	24/02/2025	LUN	15:00	16:00	A2/A02 
2	26/02/2025	26/02/2025	MIE	16:00	17:00	A2/A02 

Group	Start date	End date	Day	Start time	End time	Lecture room
2	03/03/2025	03/03/2025	LUN	15:00	16:00	A2/A02 
2	05/03/2025	05/03/2025	MIE	16:00	17:00	A2/A02 
2	17/03/2025	17/03/2025	LUN	16:00	17:00	A2/A02 
2	18/03/2025	18/03/2025	MAR	16:00	17:00	A2/A02 
2	21/03/2025	21/03/2025	VIE	16:00	17:00	A2/A02 
2	24/03/2025	24/03/2025	LUN	15:00	16:00	A2/A02 
2	26/03/2025	26/03/2025	MIE	16:00	17:00	A2/A02 
2	27/03/2025	27/03/2025	JUE	16:00	17:00	A2/A02 
2	31/03/2025	31/03/2025	LUN	15:00	16:00	A2/A02 
2	02/04/2025	02/04/2025	MIE	16:00	17:00	A2/A02 
2	10/04/2025	10/04/2025	JUE	15:00	16:00	A2/A02 
2	11/04/2025	11/04/2025	VIE	15:00	16:00	A2/A02 
2	05/05/2025	05/05/2025	LUN	15:00	16:00	A2/A02 
2	07/05/2025	07/05/2025	MIE	16:00	17:00	A2/A02 
2	09/05/2025	09/05/2025	VIE	16:00	17:00	A2/A02 
2	12/05/2025	12/05/2025	LUN	15:00	16:00	A2/A02 
3	29/01/2025	29/01/2025	MIE	15:00	16:00	A2/E02 
3	31/01/2025	31/01/2025	VIE	17:00	18:00	A2/E02 
3	03/02/2025	03/02/2025	LUN	16:00	17:00	A2/E02 
3	07/02/2025	07/02/2025	VIE	17:00	18:00	A2/E02 
3	12/02/2025	12/02/2025	MIE	15:00	16:00	A2/E02 
3	14/02/2025	14/02/2025	VIE	17:00	18:00	A2/E02 
3	19/02/2025	19/02/2025	MIE	15:00	16:00	A2/E02 
3	24/02/2025	24/02/2025	LUN	16:00	17:00	A2/E02 
3	26/02/2025	26/02/2025	MIE	15:00	16:00	A2/E02 
3	03/03/2025	03/03/2025	LUN	16:00	17:00	A2/E02 
3	05/03/2025	05/03/2025	MIE	15:00	16:00	A2/E02 
3	17/03/2025	17/03/2025	LUN	16:00	17:00	A2/E02 
3	18/03/2025	18/03/2025	MAR	15:00	16:00	A2/E02 
3	21/03/2025	21/03/2025	VIE	17:00	18:00	A2/E02 
3	24/03/2025	24/03/2025	LUN	16:00	17:00	A2/E02 

Group	Start date	End date	Day	Start time	End time	Lecture room
3	26/03/2025	26/03/2025	MIE	15:00	16:00	A2/E02 
3	27/03/2025	27/03/2025	JUE	17:00	18:00	A2/E02 
3	31/03/2025	31/03/2025	LUN	16:00	17:00	A2/E02 
3	02/04/2025	02/04/2025	MIE	15:00	16:00	A2/E02 
3	10/04/2025	10/04/2025	JUE	17:00	18:00	A2/E02 
3	11/04/2025	11/04/2025	VIE	17:00	18:00	A2/E02 
3	05/05/2025	05/05/2025	LUN	16:00	17:00	A2/E02 
3	07/05/2025	07/05/2025	MIE	15:00	16:00	A2/E02 
3	09/05/2025	09/05/2025	VIE	17:00	18:00	A2/E02 
3	12/05/2025	12/05/2025	LUN	16:00	17:00	A2/E02 

FIELD WORK PRACTICALS

Group	Start date	End date	Day	Start time	End time	Lecture room
C1	24/03/2025	24/03/2025	LUN	09:00	13:00	9901CALLE 
C1	05/05/2025	05/05/2025	LUN	09:00	14:00	9901CALLE 
C14	24/03/2025	24/03/2025	LUN	09:00	13:00	9901CALLE 
C14	05/05/2025	05/05/2025	LUN	09:00	14:00	9901CALLE 
C2	25/03/2025	25/03/2025	MAR	09:00	13:00	9901CALLE 
C2	06/05/2025	06/05/2025	MAR	09:00	14:00	9901CALLE 
C3	26/03/2025	26/03/2025	MIE	09:00	13:00	9901CALLE 
C3	07/05/2025	07/05/2025	MIE	09:00	14:00	9901CALLE 
C4	24/03/2025	24/03/2025	LUN	09:00	13:00	9901CALLE 
C4	05/05/2025	05/05/2025	LUN	09:00	14:00	9901CALLE 
C5	25/03/2025	25/03/2025	MAR	09:00	13:00	9901CALLE 
C5	06/05/2025	06/05/2025	MAR	09:00	14:00	9901CALLE 

Group	Start date	End date	Day	Start time	End time	Lecture room
C6	26/03/2025	26/03/2025	MIE	09:00	13:00	9901CALLE 
C6	07/05/2025	07/05/2025	MIE	09:00	14:00	9901CALLE 
C7	26/03/2025	26/03/2025	MIE	09:00	13:00	9901CALLE 
C7	07/05/2025	07/05/2025	MIE	09:00	14:00	9901CALLE 
C9	25/03/2025	25/03/2025	MAR	09:00	13:00	9901CALLE 
C9	06/05/2025	06/05/2025	MAR	09:00	14:00	9901CALLE 

LAB PRACTICALS

Group	Start date	End date	Day	Start time	End time	Lecture room
L1	05/02/2025	05/02/2025	MIE	15:00	17:00	
L1	11/02/2025	11/02/2025	MAR	18:30	20:30	
L1	18/02/2025	18/02/2025	MAR	18:30	21:00	
L1	25/02/2025	25/02/2025	MAR	18:30	20:30	
L1	10/04/2025	10/04/2025	JUE	18:30	20:30	
L1	06/05/2025	06/05/2025	MAR	18:30	20:30	
L1	13/05/2025	13/05/2025	MAR	18:30	21:00	
L1	20/05/2025	20/05/2025	MAR	18:30	21:30	
L14	03/02/2025	03/02/2025	LUN	18:30	20:30	
L14	10/02/2025	10/02/2025	LUN	18:30	20:30	
L14	17/02/2025	17/02/2025	LUN	18:30	21:00	
L14	24/02/2025	24/02/2025	LUN	18:30	20:30	
L14	07/04/2025	07/04/2025	LUN	18:30	20:30	
L14	08/05/2025	08/05/2025	JUE	11:30	13:30	
L14	12/05/2025	12/05/2025	LUN	18:30	21:00	
L14	19/05/2025	19/05/2025	LUN	18:30	21:30	
L2	04/02/2025	04/02/2025	MAR	18:30	20:30	
L2	11/02/2025	11/02/2025	MAR	18:30	20:30	

Group	Start date	End date	Day	Start time	End time	Lecture room
L2	18/02/2025	18/02/2025	MAR	18:30	21:00	
L2	25/02/2025	25/02/2025	MAR	18:30	20:30	
L2	09/04/2025	09/04/2025	MIE	18:30	20:30	
L2	06/05/2025	06/05/2025	MAR	18:30	20:30	
L2	13/05/2025	13/05/2025	MAR	18:30	21:00	
L2	20/05/2025	20/05/2025	MAR	18:30	21:30	
L3	05/02/2025	05/02/2025	MIE	18:30	20:30	
L3	12/02/2025	12/02/2025	MIE	18:30	20:30	
L3	19/02/2025	19/02/2025	MIE	18:30	21:00	
L3	26/02/2025	26/02/2025	MIE	18:30	20:30	
L3	09/04/2025	09/04/2025	MIE	18:30	20:30	
L3	07/05/2025	07/05/2025	MIE	18:30	20:30	
L3	14/05/2025	14/05/2025	MIE	18:30	21:00	
L3	21/05/2025	21/05/2025	MIE	18:30	21:30	
L4	05/02/2025	05/02/2025	MIE	18:30	20:30	
L4	12/02/2025	12/02/2025	MIE	18:30	20:30	
L4	19/02/2025	19/02/2025	MIE	18:30	21:00	
L4	26/02/2025	26/02/2025	MIE	18:30	20:30	
L4	08/04/2025	08/04/2025	MAR	18:30	20:30	
L4	07/05/2025	07/05/2025	MIE	18:30	20:30	
L4	14/05/2025	14/05/2025	MIE	15:00	17:30	
L4	21/05/2025	21/05/2025	MIE	18:30	21:30	
L5	07/02/2025	07/02/2025	VIE	18:30	20:30	
L5	14/02/2025	14/02/2025	VIE	18:30	20:30	
L5	17/02/2025	17/02/2025	LUN	18:30	21:00	
L5	28/02/2025	28/02/2025	VIE	18:30	20:30	
L5	11/04/2025	11/04/2025	VIE	18:30	20:30	
L5	09/05/2025	09/05/2025	VIE	18:30	20:30	
L5	16/05/2025	16/05/2025	VIE	18:30	21:00	
L5	22/05/2025	22/05/2025	JUE	18:30	21:30	
L6	06/02/2025	06/02/2025	JUE	18:30	20:30	

Group	Start date	End date	Day	Start time	End time	Lecture room
L6	14/02/2025	14/02/2025	VIE	18:30	20:30	
L6	21/02/2025	21/02/2025	VIE	18:30	21:00	
L6	28/02/2025	28/02/2025	VIE	18:30	20:30	
L6	11/04/2025	11/04/2025	VIE	18:30	20:30	
L6	09/05/2025	09/05/2025	VIE	18:30	20:30	
L6	16/05/2025	16/05/2025	VIE	18:30	21:00	
L6	22/05/2025	22/05/2025	JUE	18:30	21:30	
L7	06/02/2025	06/02/2025	JUE	18:30	20:30	
L7	13/02/2025	13/02/2025	JUE	18:30	20:30	
L7	20/02/2025	20/02/2025	JUE	18:30	21:00	
L7	27/02/2025	27/02/2025	JUE	18:30	20:30	
L7	07/04/2025	07/04/2025	LUN	18:30	20:30	
L7	05/05/2025	05/05/2025	LUN	18:30	20:30	
L7	12/05/2025	12/05/2025	LUN	18:30	21:00	
L7	19/05/2025	19/05/2025	LUN	18:30	21:30	
L9	05/02/2025	05/02/2025	MIE	16:00	18:00	
L9	13/02/2025	13/02/2025	JUE	18:30	20:30	
L9	20/02/2025	20/02/2025	JUE	18:30	21:00	
L9	27/02/2025	27/02/2025	JUE	18:30	20:30	
L9	10/04/2025	10/04/2025	JUE	18:30	20:30	
L9	08/05/2025	08/05/2025	JUE	18:30	20:30	
L9	14/05/2025	14/05/2025	MIE	15:30	18:00	
L9	20/05/2025	20/05/2025	MAR	15:00	18:00	

GROUP TUTORIALS

Group	Start date	End date	Day	Start time	End time	Lecture room
T1	17/02/2025	17/02/2025	LUN	17:00	18:00	A2/A01 
T1	10/03/2025	10/03/2025	LUN	17:00	18:00	A2/A01 
T1	14/04/2025	14/04/2025	LUN	17:00	18:00	A2/A01 
T14	17/02/2025	17/02/2025	LUN	15:00	16:00	A2/E01 

Group	Start date	End date	Day	Start time	End time	Lecture room
T14	10/03/2025	10/03/2025	LUN	15:00	16:00	A2/E01 
T14	14/04/2025	14/04/2025	LUN	15:00	16:00	A2/E01 
T2	17/02/2025	17/02/2025	LUN	15:00	16:00	A2/A02 
T2	10/03/2025	10/03/2025	LUN	15:00	16:00	A2/A02 
T2	14/04/2025	14/04/2025	LUN	15:00	16:00	A2/A02 
T3	17/02/2025	17/02/2025	LUN	16:00	17:00	A2/E02 
T3	10/03/2025	10/03/2025	LUN	16:00	17:00	A2/E02 
T3	14/04/2025	14/04/2025	LUN	16:00	17:00	A2/E02 

THEORETICAL/PRACTICAL SEMINAR / WORKSHOP

Group	Start date	End date	Day	Start time	End time	Lecture room
S1	27/01/2025	27/01/2025	LUN	17:00	18:00	A2/A01 
S1	10/02/2025	10/02/2025	LUN	17:00	18:00	A2/A01 
S1	22/05/2025	22/05/2025	JUE	16:00	17:00	A2/A01 
S1	22/05/2025	22/05/2025	JUE	15:00	16:00	A2/A01 
S1	22/05/2025	22/05/2025	JUE	17:00	18:00	A2/A01 
S14	27/01/2025	27/01/2025	LUN	15:00	16:00	A2/E01 
S14	10/02/2025	10/02/2025	LUN	15:00	16:00	A2/E01 
S14	19/05/2025	19/05/2025	LUN	15:00	16:00	A2/E01 
S14	19/05/2025	19/05/2025	LUN	17:00	18:00	A2/E01 
S14	19/05/2025	19/05/2025	LUN	16:00	17:00	A2/E01 
S2	27/01/2025	27/01/2025	LUN	15:00	16:00	A2/A02 
S2	10/02/2025	10/02/2025	LUN	15:00	16:00	A2/A02 
S2	19/05/2025	19/05/2025	LUN	16:00	17:00	A2/A02 
S2	19/05/2025	19/05/2025	LUN	15:00	16:00	A2/A02 
S2	19/05/2025	19/05/2025	LUN	17:00	18:00	A2/A02 
S3	27/01/2025	27/01/2025	LUN	16:00	17:00	A2/E02 
S3	10/02/2025	10/02/2025	LUN	16:00	17:00	A2/E02 
S3	19/05/2025	19/05/2025	LUN	17:00	18:00	A2/E02 
S3	19/05/2025	19/05/2025	LUN	15:00	16:00	A2/E02 

Group	Start date	End date	Day	Start time	End time	Lecture room
S3	19/05/2025	19/05/2025	LUN	16:00	17:00	A2/E02 