Universitat d'Alacant
Universidad de Alicante

Doctorado en Física Aplicada a las Ciencias y las Tecnologías (2025-26)

Código:	Fecha de aprobación:	Precio:
E014	12/06/2014	300 € por curso académico
Créditos:	**Título:**	
Not defined	Doctorate (ECTS)	

RAMA
Sciences

PLAN
PHD IN PHYSICS APPLIED TO SCIENCES AND TECHNOLOGIES

TIPO DE ENSEÑANZA
Blended

CENTROS DONDE SE IMPARTE
International Doctoral School

ESTUDIO IMPARTIDO CONJUNTAMENTE CON
Solo se imparte en esta universidad

FECHAS DE EXAMEN
Acceda al listado de fechas de examen para esta titulación.

PLAN DE ESTUDIOS OFERTADO EN EL CURSO 2025-26

Leyenda: No ofertada | Sin docencia

ÚNICO

TESIS DOCTORAL — 1 créditos

Curso	Título	Créditos	Subject
-	THESIS	0	66666 - THE DOCTORAL THESIS

Superado este bloque se obtiene
DOCTOR BY THE UNIVERSITY OF ALICANTE

CONTACT INFORMATION

WEBSITE PhD in Physics Applied to Sciencies and Technologies

Academic Commission

Coordinator: Jorge Francés Monllor

Secretary: Julián Espinosa Tomás

Quality Commission

Coordinator: Jorge Francés Monllor

Proposing body:

University Institute of Physics Applied to Sciencies and Technologies

iufacyt@ua.es

Doctoral School:

EIDUA-University of Alicante International Doctoral School

Location: Multipurpose Building II (Codi SIGUA 0022PB001)

Telephone number 965 90 3466

Contact EIDUA

BASIC AND GENERAL COMPETENCES

BASIC

CB11 - Systematic comprehension of a field of study and mastery of the skills and research methods related to said field.

CB12 - Ability to conceive, design or create, put into practice and adopt a substantial research or creation process.

CB13 - Ability to contribute to the expansion of knowledge barriers through original research.

CB14 - Ability to carry out a critical and evaluative analysis and synthesize new and complex ideas.

CB15 - Ability to communicate with the academic and scientific community as well as society in general regarding your fields of knowledge in the modes and languages used normally in your international scientific community.

CB16 - Ability to foment scientific, technological, social, artistic or cultural advances within a knowledge-based society in academic and professional contexts.

PERSONAL SKILLS AND ABILITIES

CA01 - To cope with contexts in which there is little specific information.

CA02 - To find the key questions that must be answered to solve a complex problem.

CA03 - To design, create, develop and carry out innovating projects in your field of knowledge.

CA04 - To be able to work as a team and as an individual in an international and multidisciplinary context.

CA05 - To process knowledge, cope with complexity and formulate judgements with limited information.

CA06 - To criticise and defend solutions intellectually.

OTHER COMPETENCES

CE01 - To acquire a perspective regarding the role of Physics in the development of industrial and techonological applications.

CE02 - To model physical systems of diverse origin.

CE03 - To use necessary equipment appropriately in order to determine physical magnitudes in a laboratory for research and development.

CE04 - To learn to identify physical fundamentals that can contribute to finding solutions for environmental, biomedic, industrial or technological applications.

COMMON COMPULSORY TRANSVERSAL TRAINING ACTIVITIES

All students will have to do a series of transversal activities; some are common to all doctoral programs whereas others are specific to each individual program.

The vehicular languages will be Spanish and Valencian.

The activities are the following:

- ACTIVITY 1: Tools for the management and recovery of information.
- ACTIVITY 2: Goals and objectives of research.
- ACTIVITY 3: Scientific communication models.
- ACTIVITY 4: Transfer of knowledge models.

For more information check the Doctoral School's webpage.

SPECIFIC COMPULSORY TRAINING ACTIVITIES

The activities are the following:

- ACTIVITY 1: Seminars and research workshops.
- ACTIVITY 2: Seminars for doctoral students.
- ACTIVITY 3: Presentation of scientific communications.

OPTIONAL SPECIFIC TRAINING ACTIVITIES

The activities are the following:

- ACTIVITY 1: Stays at Universities and Higher Research Centres

For more information check the proposing body. U.I. of Applied Physics to Sciences and Technologies.

RESEARCH AREAS

1. Applied optics and photonics
2. Optical materials
3. Optical techniques in biomedicine and engineering
4. Applied electromagnetism
5. Sciences and technologies of space, astronomy and astrophysics
6. Vibrations and applied acoustics
7. Mathematical methods in physics and engineering
8. Teaching and communication in sciences and physical technologies
9. Applied research to the prevention of labour risks
10. Earthquake Engineering and Seismic Risk
11. Robotics and systems engineering

RESEARCH STAFF AND AREAS

Álvarez López, Mariela Lázara: 1, 2, 8

Beléndez Vázquez, Augusto: 1, 2, 8

Benavidez Lozano, Paula Gabriela: 5, 10

Brocal Fernández, Francisco: 10

Bleda Pérez, Sergio: 1, 2, 8

Caballero Caballero, María Teresa: 3

Calzado Estepa, Eva María: 1, 2, 8

Camps Sanchís, Vicente Jesús: 3

Campo Bagatín, Adriano: 5

De Fez Sánchez, María Dolores: 3

Espinosa Tomás, Julián: 3

Fernández Varó, María Helena: 1, 2, 8

Ferrer Crespo, María Belén: 3

Francés Monllor, Jorge: 1, 2, 8

Fuentes Rosillo, Rosa María: 1, 2

Galiana Merino, Juan José: 6

Gallego Rico, Sergi: 1, 2

García Gómez, Gabriel Jesús: 11

García Llopis, Celia: 1, 2, 4, 8

Jara Bravo, Carlos Alberto: 11

Marini, Stephan: 4

Márquez Ruiz, Andrés: 1, 2, 8

Martínez Guardiola, Francisco Javier: 1, 2

Martínez Torregrosa, Joaquín: 9

Mas Candela, David Salvador: 3

Menargues Marcilla, María Asunción: 9

Méndez Alcaraz, David Israel: 1, 2, 8

Miret Marí, Juan José: 3

Molina Palacios, Sergio: 6

Morales Vidal, Marta: 1, 2, 8

Neipp López, Cristian: 1, 2, 8

Ortuño Sánchez, Manuel Francisco: 1, 2, 8, 10

Pascual Villalobos, Carolina: 1, 2, 4

Pascual Villalobos, Inmaculada: 1, 2

Pérez Molina, Manuel: 1, 2, 8

Pérez Rodríguez, Jorge: 3

Piñero Llorens, David Pablo: 3

Pomares Baeza, Jorge: 11

Puerto García, Daniel: 1, 2, 8

Poveda Martínez, Pedro: 7

Ramis Soriano, Jaime: 7

Rodes Roca, José Joaquín: 5

Rosa Cintas, Sergio: 9

Sánchez Soriano, Miguel Ángel: 4

Torrejón Vázquez, José Miguel: 5

Úbeda Castellanos, Andrés: 11

Vázquez Ferri, Carmen: 3

ADMISSION PROCEDURE

1. To be admitted in a doctoral program at the University of Alicante, it is necessary to fill in an electronic pre-registration form, available annually on the EDUA website.

2. Before starting the pre-registration process, it is advisable to consult the website of the chosen doctoral program in order to know the admission requirements demanded by the program.

3. The Academic Commissions (AC) are in charge of the admission process in the different doctoral programs.

4. The academic commissions decide annually the offer of places in every doctoral program according to the preconditions established in its Verified Memory. The commission may determine not to offer places when not having directors or tutors at any research line.

5. If the resolution is of “no admission”, in the computer application the reasons for the same will be detailed, having a calendar month to formulate an appeal before the AC; from the date of the resolution.

ACCESS PROCEDURE

1. In parallel with the admission process carried out by the AC, the Doctoral School (EDUA) verifies that the documentation provided is the one requested in the pre-registration form.

2. Applicants with higher studies attained in countries different from the EHEA*, at the moment of pre-registration process should pay an administrative fee for the study of their documentation, (equivalence study). The price of the rate is fixed annually by the Government of the Generalitat Valencia, by Decree.

3. People who do not provide the documentation in the terms required in the access process, may rectify this incident within 15 calendar days, from EDUA communication or, exceptionally, within the period determined by EDUA according to the concurrent circumstances.

4. When the incidents detected have not been resolved in the form and time determined by EDUA, the originated file academic record will be closed, without further processing.

5. The Doctorate School will proceed to open academic records to those who have been admitted by the AC and have correctly provided the required documentation, sending them an email with instructions to complete the enrolment process.

When the result is "no admission" it is possible to consult the grounds in the available electronic application. It is possible to raise administrative appeal (recurso de alzada) against AC resolution, within a month since resolution date.

*EHEA: European High Education Area

Registered in the Record of Universities, Centres and Degrees (RUCT)

Authorization Comunidad Valenciana: 28/03/2014

Published BOE 12/06/2014

REGULATION

Real Decreto 576/2023, de 4 de julio, que modifica el Real Decreto 99/2011, de 28 de enero, por el que se regulan las enseñanzas oficiales de doctorado (Official State bulletin July 18, 2023)

Royal Decree 99/2011, January 28, which regulates official doctoral degrees (Official State bulletin February 10 2011)

COMPLETE REGULATIONS >

Verified Report

Resolution from the Universities Council: Positive verification

Resolution from the Universities Council: Accreditation renewal

Resolution from the Universities Council: Curriculum Modification

Authorization from the Valencian Government

INTERNAL QUALITY ASSURANCE SYSTEM (SGIC) OF THE DEGREE

- **Structure of the Centre for Quality**
  - Comission of Internal Quality Guarantee
  - Other Commissions
- **SGIC Handbook**
- **Procedures**
  - Strategic (PE)
  - Key (PC)
  - Support (PA)
  - Measurement (PM)

Management of the SGIC (Acces to ASTUA)

DEGREE MONITORING

- Self-reports UA
- AVAP External reports
- Other reports
- Improvement plans
- Progress and learning outcomes