

## PHD IN PHYSICS APPLIED TO SCIENCES AND TECHNOLOGIES (2018-19)

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

### RAMA

Not defined

### PLAN

PHD IN PHYSICS APPLIED TO SCIENCES AND TECHNOLOGIES

### TIPO DE ENSEÑANZA

Not defined

### CENTROS DONDE SE IMPARTE

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 2018-19

Leyenda: No ofertada Sin docencia

### ÚNICO

<u>TESIS DOCTORAL</u>			1 créditos
Curso	Título	Créditos	Subject
-	THESIS	0	<a href="#">66666 - THE DOCTORAL THESIS</a>

Superado este bloque se obtiene  
**DOCTOR BY THE UNIVERSITY OF ALICANTE**

## CONTACT INFORMATION

Phd in Physics Applied to Sciences and Technologies

### Academic Commission:

Coordinator: ANDRÉS MÁRQUEZ RUIZ

Secretary: DAVID MAS CANDELA

### Proposing body:

University Institute of Physics Applied to Sciences and Technologies

iufacyt@ua.es

### Doctoral School:

EDUA-Doctoral School of the University of Alicante

Germán Bernácer building, ground floor

Telephone number 965 90 3466

Contact EDUA

## **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 technological 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 TRANSVERSAL 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.

## ACTIVIDAD FORMATIVA TRANSVERSAL OPTATIVA

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

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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. Acquisition and processing of signals
7. Vibrations and applied acoustics
8. Mathematical methods in physics and engineering
9. Teaching and communication in sciences and physical technologies
10. Applied research to the prevention of labour risks

## ADMISSION

- First of all, the person concerned will have to fill in the [pre-enrolment](#) form and afterwards, contact the body responsible for the [doctoral program](#) in order for them to transmit your desire to enrol to the corresponding Academic Commission (AC).
- Once the information has been received, the AC will consider the documentation presented through the pre-enrolment form.
- If the person is admitted, the corresponding admission certificate will be issued and sent to the Doctoral School.
- If the application is rejected, an admission certificate will be issued which explains the reasons. This certificate will be sent to the Doctoral School which will then inform the person concerned.

## ACCESS

- Once the favourable admission certificate sent by the AC has been received by the Doctoral School, the process to analyse [access requirements](#) will begin. If the access degree does not belong to the EHEA (European Higher Education Area), the student will have to pay a [fee](#) for the analysis of their documentation.
- If the requirements are met, an academic record will be opened so that the person concerned can fill in their [registration](#).
- If the requirements are not met, the refusal of access and reasons will be communicated. If the person concerned were to hand in the requested documents, the Doctoral School will proceed to open an academic record so that the student can fill in the registration. Otherwise, the record will be archived without further processing.

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

**Authorization Comunidad Valenciana: 28/03/2014**

**Published BOE 12/06/2014**

## REGULATION

Royal Decree 99/2011, January 28, which regulates official doctoral degrees ([Official State bulletin number 35. February 10 2011](#) )



[Verified Report](#)

[Resolution from the Universities Council: Positive verification](#)

Resolution from the Universities Council: Accreditation renewal

[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](#)