

WELCOME MEETING

PhD in Technlogies for Fundamental Research in Physics and Astrophysics Cycle 41°

Useful information for students and supervisors

Dott.ssa
Laura Zanovello
PhD Secretariat
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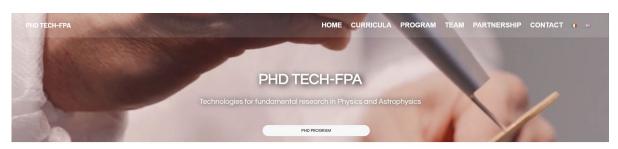


<u>University of Padua –</u> <u>Regulations governing PhD</u> <u>Programmes</u>

Our websites

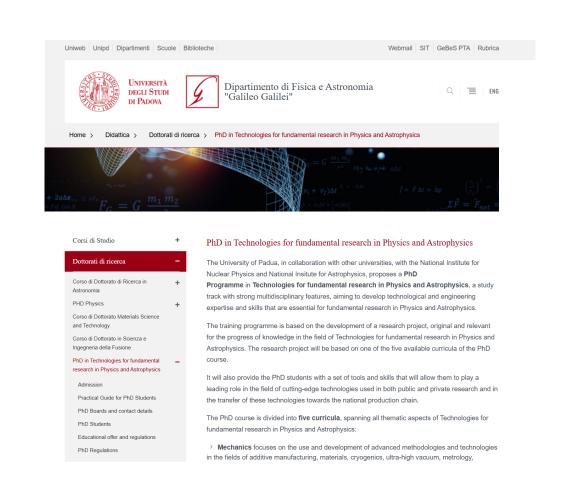


https://www.phd-techfpa.it/en/



A unique programme offering young engineers and science graduates the chance to engage in advanced technological development within a dynamic, international, and interdisciplinary scientific community.





<u>https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/tecnologie-ricerca-fondamentale-fisica-astrofisica/</u>

Something useful....



https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/tecnologie-ricerca-fondamentale-fisica-astrofisica/practical-guide-for-phd-students/

PhD in Technologies for fundamental research in Physics and Astrophysics

Admission

Practical Guide for PhD Students

PhD Boards and contact details

PhD Students

Educational offer and regulations

PhD Regulations

Practical Guide for PhD Students

Welcome to the PhD program in Technologies for Fundamental Research in Physics and Astrophysics at the University of Padova.

The PhD Office has prepared a series of guides to provide you with all the essential information for taking your first steps in Padova and at our University.

USEFUL RESOURCES

PhD Guide:

Contains information on managing your PhD career (scholarships, mobility management, research budget), as well as information about life in the city (housing, healthcare, services). Most importantly, it includes details on **who to contact in case of need**. We strongly recommend that you read and consult it regularly.

https://www.unipd.it/dottorato/phd-guide

Guide for International PhD Students:

The PhD Office has also prepared a dedicated guide for international students.

It provides all the essential information before your arrival in Padova, including the documentation required to study and live here.

PhD information booklet

- > First Steps in the PhD Program
- > Department access and safety courses
- > Phd life
- Mobility
- Contacts

If you'll be working at the Physics and Astronomy Department in Padova...



To gain access to the Department, you are required to complete the online safety training courses, which are mandatory for all PhD students.

General training, 4 hours:

https://elearning.unipd.it/formazione/course/index.php?categoryid=39

Low-risk activites, 4 hours:

https://elearning.unipd.it/formazione/course/index.php?categoryid=40

Only for PhD students involved in laboratory activities:

High risk activites, 12 hours https://elearning.unipd.it/formazione/course/index.php?categoryid=40

As soon as you complete the required courses, fill in the <u>access form</u>, sign it, and submit it to Laura Zanovello (Secretariat Office, Room 132, Department of Physics and Astronomy, Via F. Marzolo 8), together with the receipts/certificates of the safety training courses. The form is also available in English.

After submission, you will receive your personal badge, which grants access to the Department buildings.

All the details here.

The Supervisors



The educational path of each PhD student enrolled in the PhD Course includes carrying out the research activity under the guidance of a **supervisor** and one or **more co-supervisors**.

They are assigned by the **Academic Board**.

At least one of the Supervisors and co-supervisors must have an *academic background* and must meet the requirements for members of the same academic board. For specific educational and research reasons, the Academic Board may select both a Supervisor and a co-supervisor from outside the Board and, should this be the case, may appoint a Board member to assist them.

You'll be asked to confirm their designation according to the following deadlines:

• Supervisors: **February 2026**

Co-supervisors: February 2027

To change supervisors, you must inform the Coordinator (mose.mariotti@unipd.it) and the PhD Secretariat

(phdnazionale.dfa@unipd.it).

The variation must be approved by the Academic Board.



The research project

The research topic is also assigned by the **Academic Board**, starting from the title and description of the scholarship you won, as per the call for application.

It is not possible to change the research topic significantly, but small adjustments are allowed.

You'll be asked to confirm it by February 2026.

Didactic regulations



Each PhD student **must attend** at least **4 courses** and accumulate at least **10 credits**, i.e. (approximately) 80 hours of lectures, preferably within the first 2 years;

- Each student must attend at least one School;
- One or two courses may be replaced by a School;
- The PhD student is invited to participate in the **national days of the PHD TFPA**.

In agreement with the supervisors, the student may enrich the training activity where the project requires specific skills to be acquired.

Didactic regulations



- 1. The acquisition of training credits is <u>always</u> conditional on passing a *final exam* on the training achieved;
- 2. If a Master's degree course is followed, an **addendum** (seminar activity, for example), specifically addressed to the doctoral student, must be requested to the lecturer holding the course. Profits may be established by passing a final examination: where this is not practicable by the Master's lecturer himself, the examination will be carried out by a commission appointed by the Academic Board or the relevant Curriculum Council;
- 3. if a **course borrowed from another Doctoral School** is taken, the accreditation established by that Doctoral School will be adopted;
- 4. for attending a **School** with a minimum duration of **24 hours** of lectures, **3 CFUs** are recognised. In the case of Schools with a higher workload, the Executive Board may recognise a higher number of credits, subject to the positive opinion of the relevant Curriculum Coordinator. In cases where the School attended does not provide for a final examination to be passed, the relevant Curriculum Coordinator must be contacted to establish an assessment method.
- 5. In agreement with the supervisors, the student can attend courses that are not part of the Educational Offer presented below. To do so, the student must send an email to require the pertinent Curriculum Coordinator's approval, to be sure that the course can be part of their Study Plan. The PhD Secretariat (phdnazionale.dfa@unipd.it) must always be cc'd in these communications.

Educational offer

The Syllabus is drawn up and updated annually.

The courses, which vary in nature, are divided into:

- courses created ad hoc for this PhD
- courses borrowed from the PhDs of other Italian universities.

The educational offer for the Academic Year 2025/26 is available **HERE**.

Here are the lists of courses divided by curriculum:

- MECHANICS
- ELECTRONICS
- DETECTORS, LASERS AND OPTICS
 - COMPUTING
 - ELECTROTECHNICS

The PhD course officially starts on November 1st, so from that moment on you can take courses immediately.

Usually, the Secretariat sends an e-mail to PhD students to give them information about a given course that is about to start (timetable, how to attend it, etc.) and asks them to confirm, again by e-mail, that they want to registered for the course.

The lecturer who gave the course must send an e-mail to the Secretariat (phdnazionale.dfa@unipd.it) to certify attendance and passing of the relevant examination for each course.



Dipartimento di Fisica ed Astronomia "Galileo Galilei"



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PhD TFPA Technologies for Fundamental Physics and Astronomy

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Study plan



Each year, each doctoral student must submit to the Executive Board a **STUDY PLAN**, agreed in advance with the supervisors, based on the information provided in the course's regulations.

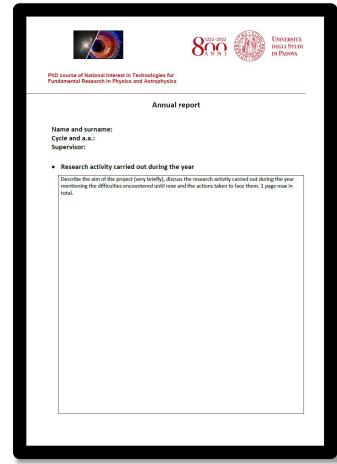
We plan to send this form to PhD students soon.

You'll be asked to fill it in and return it preferably within a month, so that the Curriculum coordinator can properly evaluate it.

You'll receive a communication with all the information soon.

Admission to the following year







To be admitted to the following year of the PhD course, you will be asked, around September, to make a **presentation**, in which you should report on:

- the research topic and objectives of your PhD program;
- the overall planning that will enable you to complete the 3years doctoral program with the timely submission of the final thesis in 2028;
- the courses, the exams and other training activities (e.g. Schools) that you have taken and will take during the 1st academic year;
- the courses and exams you plan to take in the 2nd year;
- the research activities carried out so far and those planned for the 2nd year;
- any other academic achievement you wish to present.

You will be also invited to present an **annual report**, approved by your supervisors.

Admission to the following year will be approved by the Coordinator of your curriculum.

You'll receive all the information and forms in due time.



First: read the mission regulations

https://www.dfa.unipd.it/fileadmin/amministrazione/Modulistica/Reg_Missioni_EN_sett25.pdf



When you need to go on a mission for research or study purposes, you need the **Coordinator's approval** (mose.mariotti@unipd.it), by sending him an email with **all the information required** (see below).

Please, remember to always CC the **PhD Secretariat** (phdnazionale.dfa@unipd.it), Anna Teresa

Bologna (annateresa.bologna@unipd.it) and your supervisors.

Name:

PhD cycle:

Supervisors

Description and reasons for a trip:

Location:

Arrival and departure dates:

Estimated cost (please specify):

Funding:

Start the procedure well in advance (at least 10/15 days before the mission is to take place), even if it is a mission without expenses or with expenses reimbursed by a third party, as all authorisations must be obtained before you leave!



Afterwards, the request for assignment and authorisation must follow, by using the online procedure at the link http://webapps.unipd.it, where you must indicate your personal data, place, presumed time of departure and arrival in the request for the final expense reimbursement), the congress and/or school.

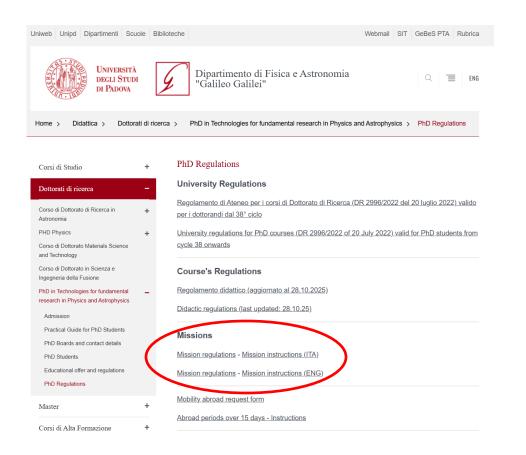
In case of problems and/or doubts, always contact the Administrative Secretariat by e-mail (annateresa.bologna@unipd.it) or at +390498278252.

Please note that mission expenses should never be incurred before receiving authorization.

The issuance of authorisation presupposes prior verification of the coverage of the related expense.



https://www.dfa.unipd.it/didattica/dottorati-diricerca/tecnologie-ricerca-fondamentale-fisicaastrofisica/phd-regulations/



This English version of the Missions Regulation has the sole purpose of enabling to understand the content thereof; only the Italian version of the Regulation is legally binding.

UNIVERSITY MISSION RULES

Article 1. Scope

- 1. These Rules govern the execution of missions by the staff of the University of Padua as identified in Article 3 below.
- . These Rules also govern the special cases described in Chapter II.

Article 2. Definitions

- 1. A mission is defined as the execution of an activity in the interest of the University outside the ordinary place of employment, either in the national territory or abroad.
- The ordinary place of employment is understood as the territory of the municipality in which the office is headquartered or in which the person operates by virtue of assignment by the governing bodies, affiliation, contractual obligation or the performance of training, research or service activities.

CHAPTER I - MISSION ASSIGNMENTS

Article 3. Persons eligible for mission assignments

- The following persons are eligible for mission assignments:
- University faculty members;
- technical-administrative staff
- c) research fellows and other persons referred to in Articles 22, 22-bis and 22-to
- d) scholarship holders;
- PhD students;
- employees of other Italian and foreign universities and other public a entrusted with carrying out activities on behalf of the University. In this case, the p understood to be the place in which the persons concerned ordinarily carry out their

PHD STUDENTS

Mission authorisation request:

Indicate all the data as per the "form" containing last name, first name, doctoral cycle, place, period, title of the school or conference to which you will participate and link, duration of the conference (including days, of departure + start and/or end cong, + return), means of transportation, funds and/or project on which the expense will be borne, in case there is the possibility of grant request, indicate it (whether it is a PhD school or a conference) and the approximate estimate of the total expense of the mission.

THE MISSION FORM

Name:

PhD cycle:

Supervisors

Description and reasons for a trip:

Location:

Arrival and departure dates:

Estimated cost (please specify):

Funding:

All requests must be sent to Prof. M. Mariotti by e-mail at least 10/15 days before the mission is to take place, even if it is a mission without expenses or with expenses reimbursed by a third party. Once the various authorisations have been obtained, one can proceed.

Please note that mission expenses should never be incurred before receiving authorization through the

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Periods abroad



The period abroad can be carried out during the 3-year period and does not have to be continuous.

Periods abroad <u>lasting between 15 days and 6 months</u> can include a **50% scholarship** surcharge (upon request) for all PhD students who have a scholarship.

Periods abroad lasting more than 6 months need the Academic Board's approval.

For periods abroad lasting more than 15 days, you need to fill in and send THIS FORM to

mose.mariotti@unipd.it and phdnazionale.dfa@unipd.it

The procedures, deadlines, and instructions for submitting the required authorization forms and the start/end attestations of the activities abroad are described in detail in the following informative note https://www.unipd.it/en/phd-fees-grants-benefits.

Periods abroad are always strongly recommended!

Research budget



Each PhD students is allocated a research budget to support the research activities. The total amount for the 3 years of the scholarship is **4872,90€**.

It can be used:

- for attending conferences, schools, seminars, university courses, etc.;
- to purchase consumables and tools for the research activities, such as a laptop computer.

The supervisor's approval is required for submitting the purchase request.

Please note that inventoried items must be returned the end of the doctoral program!



Work activity for PhD students

The University's Regulations for doctoral courses establish that, subject to authorisation by the Academic Board, **doctoral students may carry out paid activities** that enable them to acquire skills relating to the doctoral course, subject to an assessment of the compatibility of such activities with the profitable performance of the training, teaching and research activities of the doctoral course.

The income from this work must not exceed one year's grant, i.e. 16.243 €, in a calendar year (January-December).

A form must be filled in to request the Coordinator's and the Academic Board's approval.

For further information, please contact phdnazionale.dfa@unipd.it

Non-EU PhD students arrival



Last year, some doctoral students from non-European countries experienced problems and delays in interacting with the Italian Embassy to obtain Visas.

We are aware that this problem can occur: the Doctoral Office (phd.application@unipd.it) works to reduce it as much as possible.

The University of Padua guarantees doctoral students who have Visa problems the possibility of a remote period of 3 months from the start of their courses.

Please, keep us informed at all stages!

(phd.application@unipd.it and phdnazionale.dfa@unipd.it)

Staff and contacts



Coordinator

Prof. Mosè Mariotti (mose.mariotti@unipd.it), whom you can contact for any questions or issues concerning your PhD activities, scientific aspects and academic progress.

He is assisted by the President of the Executive Board, **Dott. Mauro Morandin** (<u>mauro.morandin@pd.infn.it</u>).

Phd Student Representatives

Francesca Valentini (<u>francesca.valentini.7@phd.unipd.it</u>), Neeraj Yadav (<u>neeraj.yadav@studenti.unipd.it</u>) and Ajay Sharma (<u>ajay.sharma@studenti.unipd.it</u>). Feel free to contact them if you need support, have questions, or would like to share feedback about the PhD program.

PhD Mediators

The mediators for the PhD Course are **Dott.ssa Sabine Elisabeth Hemmer** (sabine.hemmer@pd.infn.it) and **Prof. Elisa Prandini** (elisa.prandini@unipd.it). You can contact them if you need support or mediation regarding any problems or concerns related to your PhD experience.

Academic and Administrative Offices

<u>Dott.ssa Laura Zanovello (phdnazionale.dfa@unipd.it) - Via Francesco Marzolo 8, 1st floor, room 132</u> - provides support with PhD program admissions, manages student records and monitors academic progress, coordinates PhD courses and training activities, assists with international mobility procedures, organizes thesis defenses, and offers administrative support to PhD supervisors and coordinators.

Anna Teresa Bologna (annateresa.bologna@unipd.it) - Vicolo dell'Osservatorio, 3rd floor, room 305 - provides information and assistance on missions and reimbursement procedures.

Silvia Ferraboschi (<u>silvia.ferraboschi@unipd.it</u>), a staff member from the PhD Office, is available for specific inquiries regarding your PhD career (enrolment, academic records, etc.).



Thank you!!