



CALL FOR THE ADMISSION TO THE PH.D. PROGRAMMES - 38TH CYCLE - ACADEMIC YEAR 2022/23 WITH THE AWARDING OF 3 PH.D. SCHOLARSHIPS FUNDED BY INPS IN THE FIELDS OF INDUSTRY 4.0 AND SUSTAINABLE DEVELOPMENT - IN FAVOUR OF CHILDREN AND ORPHANS OF WORKERS ENROLLED IN THE INPS "GESTIONE UNITARIA DELLE PRESTAZIONI CREDITIZIE E SOCIALI", OR OF RETIRED USERS OF THE INPS "GESTIONE DIPENDENTI PUBBLICI"

Deadline: 6th september, 2023, h 12:00 P.M. (CEST)

Art. 1 – SUBJECT OF THE CALL

The selections for admission to the PhD courses for the academic year 2022/2023 – XXXVIII cycle are announced at the University of Padua for the assignment of n. 3 scholarships financed by INPS (selections below).

Within the Call, published by INPS for Universities, entitled "Research and selection of research doctorates in the field of: industry 4.0 and sustainable development; welfare and well-being; statistical and actuarial sciences", for the awarding of 100 scholarships, reserved for the children and orphans workers enrolled in the INPS "Gestione unitaria delle prestazioni creditizie e sociali", or of retired users of the INPS "Gestione dipendenti pubblici", the University of Padova has been admitted to 3 positions, **in favour of the children and orphans of pensioners users of the INPS "Gestione dipendenti pubblici" or workers enrolled in the INPS "Gestione unitaria delle prestazioni creditizie e sociali"**.

In particular, the no. 3 additional Ph.D. scholarships, as agreed, are distinguished as follows:

PhD Course XXXVIII ciclo	Theme	Positions with scholarship funded by INPS
Animal and Food Science	Development of innovative techniques with high environmental sustainability for vegetable production in organic farming	1
Crop Science	Sustainable management of agrosystems as a basis for the improvement of ecosystem services on a large scale	1
Industrial Engineering	Autonomous robotics 4.0 for the inspection of civil infrastructures and for the conservation of archaeological sites	1

Admission to Ph.D. programmes will be determined on the basis of an assessment of qualifications (Curriculum Vitae, any publications and the development of a Ph.D. research project) and, in case of positive assessment, of a subsequent interview.

The PhD programme will last three years.

The scholarships that will be assigned with the present call are linked to specific research topics: the winners of such scholarships must mandatorily carry out research activities based on specific binding Projects which are available in the Appendix.

Candidates may apply for only one PhD course.

Art. 2 – ADMISSION REQUIREMENTS

2.1 In order to be admitted to the selection, the candidate must possess, in addition to what is specified afterword, the following requirements:

- being the child or orphan of an employee or pensioner enrolled in the "Gestione Unitaria delle prestazioni creditizie e sociali" or a pensioner using the "Gestione Dipendenti Pubblici", as indicated in art. 2, paragraph 1 of the PhD call issued by INPS on 7 December 2022.

2.2 Anyone in possession of the following, regardless of nationality, may apply to take part in the selection process:

- diploma di laurea (pre-reform regime);
- laurea specialistica/magistrale (post-reform regime);



- Second-level academic qualifications awarded by AFAM (Higher Education in Art and Music) institutions.

2.3 Admission to the selection process for candidates who have not yet been awarded their academic qualification

Anyone yet to be awarded the required academic qualification, but who will have received it by and no later than September 15th 2023, may also apply to take part in the entry examinations. Otherwise, admission to the course will be denied. During the application phase, these candidates must attach:

- certificate or self-certification (in the cases provided for by Italian law) attesting the enrolment in a second cycle degree (Master's);
- certificate or self-certification (in the cases provided for by Italian law) of the first cycle degree (Bachelor's) with grade;
- certificate or self-certification (in the cases provided for by Italian law) of the list of exams/transcript of records of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- any other document deemed useful for the assessment of the suitability of the qualification held (e.g. Diploma Supplement, Declaration of Value, Statements of Comparability and Verification issued by ENIC-NARIC centres).

Admission will be conditionally granted to these candidates, who will have to provide self-certification regarding the qualification awarded (or the certificate itself if the qualification was awarded in a non-EU country), together with an identity document by September 25th 2023. Said certification must be sent via email to phd.application@unipd.it. The self-certification (or the certificate itself if the qualification was awarded in a non-EU Country), must indicate the name of the university that awarded the qualification, the date it was awarded, the kind of degree (second-cycle Italian - degree, Master's Degree or equivalent qualification), and the grade achieved, together with a copy of a valid identity document.

2.3 Admission to the selection process for candidates with an academic qualification awarded abroad

Applicants with an academic qualification awarded abroad can be admitted to a PhD course only if the above-mentioned qualification is equivalent to a second-cycle Italian degree ("Laurea magistrale a ciclo unico"/"Laurea specialistica"/"Laurea magistrale") awarded at an officially recognized foreign academic institution, which grants admission to a PhD course in the education system/Country in which it was awarded (except for significant differences). Said qualification must be comparable to the Italian degree required for the admission to a PhD course (i.e. Master's Degree or another equivalent second-cycle degree).

Admission to the selection process will be conditionally granted to those candidates in possession of an academic qualification awarded abroad that has not yet been officially recognised as equivalent to a second-cycle Italian qualification by the competent academic bodies of Italian universities.

To this end, when completing the online application process, the candidate must request that their qualifications be verified and attach the following documents:

A. For candidates in possession of an academic qualification:

- certificate or self-certification (in the cases provided for by Italian law) of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- certificate or self-certification (in the cases provided for by Italian law) of the list of exams/transcript of records of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- any other documentation deemed useful for the assessment of the suitability of the qualification held (e.g. Diploma Supplement, Declaration of Value, Statements of Comparability and Verification issued by ENIC-NARIC centres).

B. For candidates yet to be awarded the required academic qualification:

- certificate or self-certification (in the cases provided for by Italian law) of first (Bachelor's) cycle degree, with grade;
- certificate or self-certification (in the cases provided for by Italian law) of the list of exams/transcript of records of both first (Bachelor's) and second-cycle degree (Master's), with grade;
- certificate or self-certification (in the cases provided for by Italian law) attesting the enrolment in a second cycle degree (Master's);
- any other documentation deemed useful for the assessment of the suitability of the qualification held (e.g. Diploma Supplement, Declaration of Value, Statements of Comparability and Verification issued by ENIC-NARIC centres).

The above-mentioned documents must be drawn up in Italian or English, under penalty of exclusion from the selection. In cases where self-certification is not allowed (e.g. non-EU candidate with a qualification awarded abroad), if the official documentation issued by the university where the qualification was obtained is not already in English, the candidate must attach also a certified translation in Italian or English. The Selection Committee evaluates the suitability of the foreign degree according to the documentation attached to the



application, and can therefore exclude the candidate if such documentation does not provide sufficient information for the assessment.

Art. 3 – APPLICATION FORM

3.1 The application form to participate in the selection process may only be submitted via PEC at (amministrazione.centrale@pec.unipd.it). Application forms must be submitted no later than 1 pm (CEST) on the announcement deadline date.

All positions are subject to a specific topic and only one application will be sent per candidate who will therefore participate for only one PhD Course for a specific topic.

3.2 Candidates must attach:

Scanned valid Identity Document with photograph	Both sides
Curriculum Vitae	Use the specific format available
Research Project	The research project must be drawn up, in Italian or English, using the template available
Self-certification of being the child or orphan of an employee or pensioner enrolled in the “Gestione Unitaria delle prestazioni creditizie e sociali” or a pensioner using the “Gestione Dipendenti Pubblici”, duly signed	Use the specific format available

All documentation must be attached in pdf format.

For all legal purposes, the application is to be considered as a self-certification of the data included therein and of the attached documents, in accordance with articles 46 and 47 of Italian Presidential Decree no. 445/2000 and subsequent amendments.

A missing signature and/or missing identity document could lead to exclusion from the selection process.

3.3 Candidates with disabilities or specific learning disabilities (SLD) may support the admission tests with reasonable adjustments, making an explicit request to the Student Services Office - Inclusion. To this end it is necessary to:

- 1) send an email to inclusionone.studenti@unipd.it specifying the supports, aids or compensatory measures needed (additional time assigned cannot exceed 50% more than the time foreseen for the test);
- 2) send the relevant documentation to the Student Services Office – Inclusion (inclusionone.studenti@unipd.it), together with a copy of a valid identity document by the deadline of the call.

Useful documentation for reasonable adjustments includes:

- certification pursuant to Law 104/1992;
- civil disability certification;
- SLD diagnosis certification (issued for no more than 3 years, or renewed as an adult, by facilities of the National Health Service or by specialists and accredited facilities).

Candidates with disabilities or specific learning disabilities (SLD) residing in foreign Countries must submit the certification about disability or SLD issued in the Country of residence, together with a sworn translation in Italian or English. On the basis of the documentation presented, and after possible interview with dedicated personnel (way to be agreed), supports for the test will be considered.

It is therefore recommended to contact the Student Services Office – Inclusion well in advance of the date of the test, by sending an email to inclusionone.studenti@unipd.it.

Further information can be found at the following link: <https://www.unipd.it/en/inclusion-reception-and-admissions-tests>.

Art. 4 – ADMISSION PROCEDURES AND EVALUATION CRITERIA

The evaluation of candidates will be based only on qualifications and oral examinations.

The Selection Committee can assign a maximum of 100 points, divided as follows:

- qualifications: maximum 70 points, as detailed in the table below;
- interview: maximum 30 points.



The qualification score is broken down as follows:

- curriculum: maximum 35 points
- research topic: maximum 35 points

The Committee will carry out a pre-selection on the basis of the academic qualifications presented by the candidate. Candidates who pass the pre-selection phase, obtaining a minimum score of 7/10 (49 points), will be admitted to the oral examination.

By 12 September 2023, the commission will publish the results of the evaluation of the securities on the website.

The oral examinations will be held remotely on 13 September 2023 from 9 am, via Zoom or, if not available in the country of the candidate, another equipment agreed with the Selection Committee. Candidates must guarantee that they will use a webcam in order for them to be correctly identified by the Selection Committee and that they will connect on the day of the oral examination.

The interview has as its object the presentation of the project attached by the candidate to the application form. Candidates are required to show up for the interview with a valid ID (identity card, passport, driving license). Absence from the interview, whether in person or remotely, will result in exclusion from the competition.

Failure to connect or be reachable on the day and at the time agreed, or failure to show a valid identity document pursuant to the previous paragraph, may result in exclusion from the selection process.

The University of Padova shall accept no responsibility for any technical issues that may prevent the oral examination from being correctly carried out.

Oral examinations are public.

Oral examinations will be considered passed if the candidate obtains a mark equivalent to at least 7/10 (21 points).

Art. 5 – SELECTION COMMITTEE

The Selection Committee is appointed by the Rector according to the procedures established by [Regolamento di Ateneo per il dottorato di ricerca](#).

Art. 6 – RANKINGS AND ADMISSION TO COURSES

Pursuant to Art. 5 of the INPS notice, the selection procedures for admission to the PhD programmes are the responsibility of the proposing University.

Ranking lists of the PhD programme listed in Art. 1 of this Call will be prepared by INPS after receiving the list of applicants admitted by the University, according to the admission assessment stated by University of Padova.

After the conclusion of selections, the Selection Committee drafts a ranking list for each research topic, according to the criteria specified in the previous article.

The selection by the University of Padova and the publication of the ranking list of eligible candidates for the INPS scholarship does not therefore entitle to the awarding of the scholarship, which is the INPS responsibility. Rankings lists, one for each PhD programme, including individual scores, shall be approved by Rector's Decree and published on the online Official Notice Board (Albo Ufficiale di Ateneo) and on the university website, <https://www.unipd.it/dottorato/bandi-graduatorie>. Should two or more applicants obtain the same score, priority will be given to the youngest one.

Ranking lists will be submitted to INPS, which will verify candidates' eligibility, in accordance with Art. 1, and publish the final ranking lists in decreasing order of scores on the institutional website www.inps.it, in the specific section reserved for the call.

The result of the selections will be communicated to all the winners with a notice sent to the e-mail address given in the self-certification form. Should successful applicants withdraw, their positions will be assigned to qualified applicants according to the order of the final merit ranking list.

Art. 7 – PHD COURSES AND MEDICAL SPECIALISATION SCHOOLS

7.1 If successful in the selection process for a PhD, students enrolled at medical Specialisation Schools will be allowed to enrol in a PhD Course in compliance with the following conditions:

- a) compatibility, also in consideration of the distance between the seats, of the activities and commitment envisaged by the Specialization School and the PhD Course, certified by the Board of the Specialisation School and by the Academic Board of the PhD Course;



b) incompatibility between the PhD grant and the emoluments, however denominated, received in relation to the activities of the specialization school.

7.2 In cases of joint attendance, the request for a reduction in doctoral activities is approved by the Academic Board of the PhD Course, after a positive assessment of the consistency of the research activities already carried out in the medical Specialization course with the doctoral project. In order to accept the application referred to in this paragraph, the opinion of compatibility, expressed by the Board of the Specialization School, of the doctoral project with the didactic purposes of the Specialization School is also required. If the application referred to in this paragraph is accepted, the PhD Course will have in any case a duration of no less than two years.

Art. 8 – ENROLMENT

8.1 Under penalty of forfeiture of the right to enrolment, within the deadline of 7 days from the date of publication of the final ranking on the INPS website www.inps.it, in the area designated for the selection, successful applicants must confirm their acceptance enrolling in the PhD programme and uploading the documentation via the online procedure described at the webpage <https://www.unipd.it/dottorato/bandi-graduatorie>

Failure to enrol by the deadlines set for each Course will be considered as renunciation of the place, which will subsequently be assigned to the next candidate according to the ranking.

8.2 The enrolment form must contain all the attachments indicated in the instructions, including a copy of a valid identity document and a passport-size photograph; after concluding the enrolment procedure, the regional fee (art. 11) must be paid as indicated.

When completing the enrolment form, the successful candidate declares, inter alia, that:

- They shall undertake to ask the competent body of the Course for authorisation to carry out work outside of the course;
- They have not already benefited from another PhD Course grant in the past;
- They will not accumulate the grant with another grant, awarded for whatever reason, except for those assigned by national or international institutions for the purposes of integrating the research activities of the PhD student with time spent abroad;
- They are aware that the grant is only awarded to those who have a yearly income (gross sum) that is below the equivalent of a year's grant amount for the tax years when the grant will mainly be used, and shall provide prompt notification should their income exceed this limit;
- They shall undertake to pay back the monthly grant instalments received in the academic year in which their income exceeded the limit;
- They are aware that the payment of the scholarship with a priority research topic is subject to the conduct of the research and compliance with the provisions of the agreement.

8.3 Candidates with a foreign qualification must also attach to their application:

- in case of academic qualifications awarded in non-EU Countries: a copy, in Italian or English, of the second-cycle degree as well as a copy of the certificate indicating the examinations taken and the relative grades, together with the translation, legalisation and Declaration of Value issued by Italian diplomatic or consular authorities or, alternatively, Statements of Comparability and Verification issued by ENIC-NARIC;
- in case of academic qualifications awarded in European Union Countries: Diploma and Diploma Supplement in English for the second-cycle qualification or, alternatively, Statements of Comparability and Verification issued by ENIC-NARIC centres;
- a valid stay permit if already issued, or a copy of the request made to the competent authorities within 8 working days of arriving in Italy (only for non-EU citizens).

Should there be any doubts regarding the nature or validity of academic qualifications awarded in EU countries, the University reserves the right to request the certificate or a Declaration of Value. For further information on the Declaration of Value, visit the web page <http://www.studiare-in-italia.it/studying/info-07.html>.

Candidates in possession of a foreign academic qualification who have not provided the required documentation requested at the time of enrolment will be enrolled conditionally and will be excluded from the PhD course, with the obligation of refunding grant instalments unduly received, if:

- They do not submit such documentation within 12 months of the start of the course;
- Following verification, the academic qualification does not meet the requirements of the present competition notice and does not permit enrolment on the PhD course.

Art. 9 – VACANT PLACES



Following explicit or tacit withdrawal by successful candidates before the start of the course, the PhD Office will contact directly the other eligible candidates according to the ranking drawn up for that specific research topic, in order to assign them vacant places available (if any).

Art. 10 - GRANTS

10.1 Grants are only awarded to those who have a yearly income (gross sum) that is below the equivalent of a year's grant amount for the tax years when the grant will mainly be used. Should the grant holder's income exceed this limit, they will lose their right to the grant for the academic year in which the limit was exceeded. In this case, the PhD student concerned will be obliged to pay back any monthly grant instalments already received.

10.2 In accordance with Italian Ministerial Decree 247 dated 23 February 2022, published on the Official Gazette no. 80 of 5/4/2022, the annual amount of the grant is € 16.243, gross sum, less national insurance and pension contributions payable by the recipient to INPS (Italian National Institute for Social Security), pursuant to art. 2, paragraph 26 et. seq. of (Italian) Law no. 335 dated 8 August 1995, and subsequent amendments and integrations.

10.3 PhD grants cannot be used together with other grants, awarded for whatever reason, except for those assigned by national or international institutions for the purpose of integrating the research activities of the PhD student with time spent abroad.

10.4 The amount of the grant is increased by 50% for any time spent abroad.

10.5 The grant takes effect when the holder effectively begins to attend the course.

The grant is paid in deferred monthly instalments.

Anyone who has already benefited from a PhD grant, cannot do so for a second time.

Art. 11 – ENROLMENT AND TUITION FEES

11.1 PhD students are exempt from university tuition fees and must only pay an amount corresponding to the regional fee for the right to education and stamp duty.

11.2 PhD students may request exemption from payment of the regional contribution, quantified as per the ISEE presented. For PhD students with a grant, the quota for the aforementioned contribution, quantified as per the ISEE, will be withheld from the grant payment.

11.3 The amounts referred to in point 1 can be consulted in the Fees and contributions table for those enrolled in PhD courses for the 2022/2023 academic year. This table will be published on the University of Padua website at the address: <http://www.unipd.it/ricerca/dottorati-ricerca/tasse-borse-studio-opportunita-dottorati>.

Art. 12 – COURSE START DATES AND OBLIGATIONS OF PHD STUDENTS

12.1 Courses will begin on September 30th 2023. Admission to a PhD Course is a full time, exclusive commitment.

12.2 PhD students are obliged to carry out the activities relating to their approved research plan and to present a report on the activities and research carried out to the competent body of the Course at the end of each year, as well as the PhD thesis, complete with original contributions, at the end of the course. Theses must be submitted in accordance with the procedures established in the University for PhD courses.

After evaluating the activities carried out by the PhD student, the competent body of the Course will deliberate whether to admit the PhD student to the next year of the course. With a substantiated decision, the Doctoral Board may also propose to the Rector that the student be excluded from continuing the Course.

Art. 13 – OBTAINING THE ACADEMIC QUALIFICATION

The PhD is awarded upon successfully passing the final examination. This examination consists of an oral discussion with the candidate on their thesis.

The supervisory committees for the final examination will be formed and appointed in compliance with the Regulations for PhD courses.

Art. 14 – PROPERTY OF RESULTS AND CONFIDENTIALITY

14.1 Intellectual and industrial property rights on the results obtained by the PhD student, including but not limited to software, patentable or non-patentable industrial inventions, know-how, models, data and data collections, are regulated in accordance with current legislation, the University Regulations and, if applicable, on the basis of individual agreements with Universities, Enterprises and Bodies involved.

14.2 PhD students who realize that they made an invention must immediately inform their supervisor or the Director of the Department, who, from that moment on, shall maintain the confidentiality and notify without



delay the Settore innovazione, trasferimento tecnologico e rapporti con le imprese of the University in order to proceed with the evaluation of the results linked to the invention as well as to the appropriate protection measures.

14.3 Candidates who compete for priority research grants undertake to accept the provisions relating to intellectual property agreed in the Convention between the University and the funding body.

14.4 In any case, the PhD student is guaranteed the opportunity to carry out the usual permitted publishing activities, which should be planned in a manner compatible with the protection of any results.

Art. 15 – PROCESSING OF PERSONAL DATA

The processing of personal data provided by candidates collected for the purposes identified in this notice takes place in compliance with the provisions of EU Regulation 27.04.2016 n. 679 (General Data Protection Regulation, following: GDPR). Further information can be found here: <https://www.unipd.it/en/privacy>

Art. 16 – INDIVIDUAL RESPONSIBLE FOR PROCEEDINGS

Pursuant to art. 5 of Italian Law no. 241 dated 7 August 1990 (New rules regarding administrative procedures and the right of access to administrative documents) and subsequent amendments, the individual responsible for proceedings is Elena Pavan – Ufficio Dottorato di ricercar (PhD Office).

Art. 17 – NOTES AND INSTRUCTIONS

Disclaimer: this is a translation of the selection announcement for PhD Courses. Its purpose is to provide information to foreign students. It has no legal value. The only official and legally binding source is the original Italian announcement.

17.1 The present announcement is to be considered as official notification for all intents and purposes. No personal notifications will be sent to the candidates.

Any amendments or integrations to the present announcement shall be notified through:

- a) Publication on the University's official register;
- b) Publication on the University of Padua website

17.2 Candidates can take part in the selection process, subject to verification that they meet the requirements stated in the announcement. Verification will be carried out in accordance with art. 43 of Italian Presidential Decree no. 445 dated 28 December 2000.

The University will check the truthfulness of the declarations which candidates have provided to substitute certificates and, therefore, may exclude candidates from the selection process at any given moment. Anyone making false declarations will be punished in accordance with the penal code and special applicable laws.

The candidate in question will be informed of their exclusion via notification sent to the special digital domicile (email) expressly elected in the application form or, if not indicated, the residence address.

At any given moment, even after Courses have begun, the University may carry out checks into the truthfulness of the declarations provided and may, by a substantiated decision, exclude candidates for failing to meet the requirements set out in the announcement.

17.3 The University shall assume no responsibility for the loss of any notifications resulting from the candidate providing inaccurate indication of their contact and residence details, or caused by failure or delay to communicate any variations of these details. The University shall not be held responsible for any telecommunications or postal errors which are not the fault of the University itself.

17.4 Any matters not covered by the present announcement shall be governed by current applicable rules and legislation and, specifically: Italian Ministerial Decree no. 226 dated 14 December 2021; University Regulations on PhD courses; Agreements with other institutions for the creation of PhD courses and agreements for PhD funding, PhD Programmes and the Notice published on the INPS website on 7th December 2022.

FOR FURTHER INFORMATION:

For assistance with completion of the application:

- Write to phd.application@unipd.it; we cannot guarantee that emails sent to other addresses will be read;
- Telephone Help Desk service at +39 331 6502029 available Monday to Friday from 10.00 am to 12.30 am (CEST).



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Istituto Nazionale Previdenza Sociale



HR EXCELLENCE IN RESEARCH

The present selection announcement is available on the website at <https://www.unipd.it/dottorato/bandi-graduatorie> and a copy is available at 'Ufficio Dottorato di ricerca' (PhD Office), in Via Venezia no. 15 Padova.

To find out the days when 'Ufficio Dottorato di ricerca' (PhD Office) may be closed, please check the University website.

Padova, date of registration

The Rector
Prof. Daniela Mapelli