UNIVERSITÀ DI PISA

DIREZIONE RICERCA E VALORIZZAZIONE DELLE CONOSCENZE

The Unit Head: *Dott: Mauro Bellandi*
"Concorsi e carriere dottorandi"/LDC Unit

THE RECTOR

Having regard to	Law no. 168 of 9 May 1989, and in particular Article 6(1), "Autonomia delle Università";
Having regard to	Article 4, Law no. 210 of 3 July 1998 "Norme per il reclutamento dei ricercatori e dei professori universitari di ruolo";
Having regard to	Rector's Decree no. 2711 of 27 February 2012 – and subsequent amendments – by which the Statute of the University of Pisa was approved (published in the Official Gazette no. 55 of 6 March 2012);
Having regard to	Ministerial Decree no. 226 of 14 December 2021 "Regolamento recante modalità di accreditamento delle sedi e dei corsi di dottorato e criteri per la istituzione dei corsi di dottorato da parte degli enti accreditati";
Having regard to	The University Regulation on Doctoral Programmes, issued by Rector's Decree no. 696 of 17 May 2017, as last amended by Rector's Decree no. 669 of 9 May 2025;
Having regard to	Article 12, paragraph 12, in particular, of the aforementioned Regulation, which establishes the prohibition for the University to advance payments related to doctoral grants in the event of funding or co-funding by private external entities not secured by a bank guarantee. Therefore, the University shall not pay the beneficiary the portion of the grant owed but not paid by the external funder;
Having regard to	Article 8(1), entitled "Bando di concorso" (Call for Applications), of the same Regulation, which provides for the announcement, at least once a year, of a public selection procedure for admission to doctoral programmes, following which a single merit ranking list is drawn up (including both successful candidates and any eligible but not admitted candidates), also with regard to specific selection procedures;
Having regard to	Article 8, paragraph 3*ter*, which allows for a portion of the available positions to be reserved for candidates who, as of the deadline for the submission of applications, hold a formal employment contract, of a duration at least equal to that of the programme, with public or private entities, or are holders of research grants issued by the University of Pisa;
Considering	the possibility, through an extensive interpretation of Article 8, paragraph 3*ter*, of allowing research fellows (*assegnisti di ricerca*) to participate in the "reserved" selection procedures, provided they hold a research grant as of the application deadline and that such grant is theoretically renewable for a period equal to the duration of the doctoral programme (three years);
Having regard to	Ministry of University and Research (MUR) Decree no. 301 of 22 March 2022, concerning the guidelines for the accreditation of doctoral programmes pursuant to Article 4, paragraph 3, of Ministerial Decree no. 226/2021;
Having regard to	Ministry of University and Research Note no. 57794 of 30 April 2025 concerning the online accreditation procedure for doctoral programmes for the 41st cycle;

Acknowledging	that only positions with grants (or otherwise covered by other forms of financial support) fully guarantee the right to education;
Having regard to	the resolutions of the Board of Directors (19 March 2025, no. 97) and the Academic Senate (16 April 2025, no. 74) by which, within their respective areas of competence, the following were approved: a) the doctoral programme offerings of the University of Pisa for the academic year 2025/2026 – 41st cycle; b) the allocation of doctoral grants funded by the University; c) the possibility of issuing and conducting selection procedures for admission to doctoral programmes of the 41st cycle (a.y. 2025/2026), also pending the outcome of the accreditation procedure;
Having regard to	the resolutions of the Board of Directors (23 April 2025, no. 159) and the Academic Senate (16 April 2025, no. 73) by which, within their respective areas of competence, the doctoral programme offerings for the academic year 2025/2026 were supplemented through the activation of the National Doctorate in *Artificial Intelligence* and the establishment of the Industrial Doctorate in *High Performance Scientific Computing* (HPSC);
Having regard to	the circular of the Ministry of University and Research (available at https://www.universitaly.it/studenti-stranieri) concerning the procedures — also valid for the academic year 2025/2026 — for the entry, residence, and enrolment of international students, as well as the recognition of their qualifications for higher education programmes in Italy;
Having regard to	the regional public notice issued by the Executive Decree of Regione Toscana no. 2562 of 5 February 2025, for the funding of doctoral programmes organized as networks among universities, university institutes, and research bodies, including in collaboration with businesses, to be activated for the 2025/2026 academic year – 41st cycle – "Pegaso" doctoral grants, year 2025;
Having regard to	the funding applications submitted for the four doctoral projects (*Economia Aziendale e Management*; *Informatica*; *Scienze dell'antichità e archeologia*; *Smart Industry*) coordinated by the University of Pisa;
Having regard to	the note (our ref. no. 77411/2025) by which Regione Toscana, pending the approval decree for the final ranking, communicated that the projects in *Informatica*; *Scienze dell'antichità e archeologia* and *Smart Industry* have been awarded five grants each, and that the *Economia Aziendale e Management* programme has been allocated a total of four grants;
Considering	that Article 15 of the aforementioned regional notice establishes that the public notices issued by the implementing body for the admission to doctoral programmes funded under the "Pegaso" regional programme must include, in addition to the logos of the funding bodies and the PR FSE 2021/27, reference to the applicable EU, national, and regional legislation, which is also indicated in the course-specific information sheets attached to the Call;
Acknowledging	the doctoral grant funding received from public and private external entities or from University departments, duly documented through letters of intent and/or formal agreements;
Considering	the intention to include the aforementioned grants in this Call for applications, listing them in the specific information sheets for each doctoral programme;
Deeming	it appropriate to award additional grants, following the issuance of Rector's Decrees approving the selection outcomes and ranking lists, during the procedures for the reallocation of available places, should additional funding become available, within a maximum period of two months from the official start date of the programme, as formalised by Rector's Decrees to be published on the University's official register;

Having regard to	Legislative Decree no. 198 of 11 April 2006, containing the "Codice delle pari opportunità tra uomo e donna" (Code of Equal Opportunities between Women and Men);
Considering	the decision to use the gender-neutral singular *they* for reasons of simplicity and conciseness, with the understanding that all references shall be considered gender-inclusive in the spirit of promoting equal opportunities;
Having regard to	the Rector's Decrees by which the internal regulations of the doctoral programmes at the University of Pisa were issued, which govern, among other matters, the types of admission tests and the minimum passing scores, and in particular, Rectoral Decree no. 858 of 24 May 2019, by which the regulations for the PhD programme in *Scienze Giuridiche* (Legal Sciences) were enacted;
Having regard to	the measures adopted by the Coordinators of the doctoral programmes concerning the selection procedures for the positions advertised, in accordance with the above-mentioned internal regulations;
Having regard to	resolution no. 3/2025 of the Academic Board of the PhD programme in *Scienze giuridiche*, by which it was decided to conduct a single selection procedure consisting solely of an oral examination, as it was deemed the most appropriate means to assess candidates' subject-specific expertise, legal knowledge, as well as analytical and communication skills;
Considering that,	in the same resolution, the Board of Lecturers, having consulted the Deputy Rector for Legal Affairs, also resolved, in view of the absence of a written examination, to introduce a minimum required score (equal to 5 points) for the assessment of the CV, thereby supplementing the regulatory text (Art. 11, paragraph 1, letter d);

HEREBY DECREES AS FOLLOWS

Article 1
ANNOUNCEMENT OF THE ADMISSION COMPETITION

1. Public calls for applications are hereby issued for admission to doctoral programmes administratively based at the University of Pisa for the academic year 2025/2026 (41st cycle). The admission procedures, selection criteria for ranking formation, specific requirements, available positions, and grants are detailed in the fact sheets of each doctoral programme, which form an integral part of this Call. The following information is also specified in the aforementioned fact sheets:

   a) the possible number of positions reserved for candidates holding a formal employment contract, in accordance with the provisions of Article 3, paragraph 8, of this Call;

   b) the possible number of positions reserved for candidates holding research grants from the University of Pisa, pursuant to the current internal regulations and in accordance with Article 3, paragraph 8, of this Call. In light of the current legislation, and through an extensive interpretative approach, positions may also be reserved for research fellows (*assegnisti di ricerca*), provided they hold a grant as of the application deadline and that such grant is renewable for a period equal to the duration of the doctoral programme (three years).

2. The number of grants [**but not the reserved positions referred to in Article 1, letters a) and b)**] may be increased as a result of the acquisition of external funding that becomes available. Reassignment of grants already advertised but not awarded is also possible. **Any such increases in the number of grants will be formalised by Rector's Decrees** published on the following webpage: https://www.unipi.it/bando2025-26/, after the publication of the ranking lists.

3. Pursuant to Article 3 of Ministerial Decree no. 226/2021, doctoral programmes may be activated only after verification by ANVUR of continued compliance with accreditation requirements. Therefore, the selection procedures will take place *sub condicione* of a positive outcome of said verification. Any negative outcome of this assessment will be promptly communicated to candidates and/or successful applicants.

4. The duration of the doctoral programme is three years, starting, as a rule, on 1 November of the first year and ending on 31 October of the third year. Doctoral candidates who are grant recipients and those employed by companies in agreement with the University of Pisa (pursuant to Article 1, paragraph 1, letter a) of this notice), in accordance with current regulations, are entitled to:

   - a research budget amounting to no less than 10% of the value of the grant, for conducting research activities in Italy and abroad;
   - a 50% increase in the grant for a total period not exceeding 12 months.

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Article 2
APPLICATION FOR ADMISSION

1. To participate in the selection procedure, candidates must:

a. **complete the application exclusively online, no later than the strict deadline of 18 July 2025, 1:00 p.m. (Italian time)**, by entering the required information at https://www.studenti.unipi.it and print the receipt issued at the end of the procedure. This receipt must be retained, as it not only serves as proof of registration for the selection procedure, but also contains the "pre-enrolment ID number", which is required to anonymously access the evaluation of the CV and the results of the examinations. Candidates wishing to apply for more than one doctoral programme and/or for more than one selection within a given programme must submit a separate application for each selection they intend to participate in;

b. pay, by **18 July 2025, 11:59 p.m. (Italian time)**, the registration fee of **EUR 30.00** via the PagoPA system, which is accessible at the end of the online application process. **The fee is due for each doctoral programme applied for.** If the fee has been paid by the candidate but has not yet been received by the University of Pisa, the candidate will be admitted *conditionally*, pending verification of the payment. The registration fee is non-refundable, except in the event that the selection procedures cannot be held for the reasons stated in Article 1, paragraph 3, of this notice.

2. **Candidates who, as of the application deadline, hold an employment contract with a public entity, with a duration at least equal to that of the doctoral programme, may choose to:**

   - take part in the selection procedure as civil servants, thereby automatically waiving the doctoral grant;
   - take part in the selection procedure for a position with a grant, without declaring their status as civil servants during the application process.

   In the case described under point 1, civil servants must declare their status during the online registration procedure by selecting the appropriate option in the dedicated field available on the "Alice" platform at https://www.studenti.unipi.it. These candidates must also submit a self-declaration certifying the service provided at the public entity to which they belong (Annex 1). Candidates who, during the online application process, declare their intention to participate as public employees automatically waive the grant, and the merit ranking will be managed accordingly, as provided under Article 5 of this Call.
   This choice is irrevocable and cannot be modified at a later stage.

Article 3
ADMISSION REQUIREMENTS

1. Candidates are eligible to apply if, by 31 October 2025, they hold at least one of the following academic qualifications:
   - A Laurea Magistrale (Master's Degree) or Specialistica;
   - A degree awarded under the pre-reform Italian university system, as specified in the relevant programme fact sheets;
   - A foreign qualification deemed equivalent to the aforementioned second-level academic degrees.

2. During the online application process, candidates must upload a self-declaration concerning the degree obtained or about to be obtained, in accordance with Annex 2 of this Call. To be admitted to the selection procedure, candidates must also declare that they are aware of the consequences of making false statements, pursuant to Article 76 of Presidential Decree no. 445 of 28 December 2000.

3. Candidates holding (or expecting to obtain) a qualification from a foreign academic institution may be admitted to a doctoral programme provided the qualification is comparable in level to the Italian degree required for doctoral studies (Master's Degree or equivalent second-level degree). Admission of candidates with foreign degrees is therefore subject to assessment of the suitability of the qualification. This assessment, for the sole purpose of admission to the doctoral programme, shall be carried out by the Selection Board in accordance with applicable legislation in Italy and in the country where the degree was awarded, and with international treaties or agreements on the recognition of qualifications for academic purposes. The Board must assess comparability in terms of level, nature, content, and academic rights (e.g., eligibility for further study) with the Italian qualification required for doctoral admission. **Candidates with a foreign qualification must submit any documents useful for verifying the degree** (e.g. translations, legalisations, declaration of value, Diploma Supplement, transcript of records, ENIC-NARIC statements, etc.). <u>Failure to submit such documentation may hinder the evaluation of the foreign degree and prevent the Board from confirming its required comparability</u>.

4. **The foreign academic qualification and all supporting documentation must be uploaded** (exclusively through the online application procedure) **by the deadline of this Call** (**18 July 2025, 1:00 p.m. Italian time**).

5. The University reserves the right to exclude, at any time, any applicant who does not meet the admission requirements by the deadline of the Call, without prejudice to the provisions set forth in paragraph 1 of this article.

6. Beneficiaries of the "Pegaso" doctoral grants for the academic year 2025/2026, funded by Regione Toscana through resources from the PR FSE 2021/27 within the Giovanisì initiative (www.giovanisi.it – the Tuscany Region's project supporting youth autonomy), must also meet the following additional requirements:
   - Be no older than 35 years of age at the time of the doctoral application (i.e., up to and including the day of their 35th birthday);
   - Demonstrate adequate knowledge of English (at least B2 level). This will be assessed by the Board during the selection process; in addition, the candidate must present a certificate of English language proficiency at B2 level or higher prior to enrolment and acceptance of the Pegaso grant;
   - Declare their availability to undertake study and research stays abroad **for at least 6 months (at least 12 months for recipients of international grants) and acknowledge that failure to carry out such mobility may lead to the revocation of funding by the Region**. This requirement does not apply to beneficiaries of topic-specific grants for which no international mobility was foreseen at the project submission stage;

- (*Only for beneficiaries of topic-specific "Pegaso" grants*) formally declare their availability to carry out **a research/training experience of at least 3 months in an applied context** — such as a company, a public research institution, or another (non-university) organisation — **and acknowledge that failure to complete such experience may result in the withdrawal of funding by the Region**;
- Declare their willingness to attend courses aimed at developing soft skills, labour market and research awareness, and data collection, analysis, and management methodologies (*Data Science*), as proposed by the implementing body over the three years of the doctoral programme.

7. To apply for the reserved positions referred to in Article 1, paragraph 1, letter a) of this Call, candidates must submit **a self-declaration (Annex 3)** certifying that they hold an employment contract, of at least three years' duration, with a public or private entity that has signed a specific agreement with the University of Pisa **before the publication of this Call**. **The employment contract must be valid as of the application deadline (18 July 2025)**.

8. To apply for the reserved positions referred to in Article 1, paragraph 1, letter b) of this Call, candidates must, **as of the deadline of the Call for Applications (18 July 2025)**, hold a research grant or research fellowship awarded by the University of Pisa, of a duration at least equal to that of the doctoral programme (3 years), pursuant to the current internal regulations: (https://www.unipi.it/phocadownload/Ateneo_Regolamenti/area-didattica/regborice1.pdf).
Candidates must submit a self-declaration (Annex 4) attesting that they hold such research grant whose duration must be at least 3 years (the duration of the PhD Programme). For these reserved positions, the Board is also required to assess the consistency of the research topic with the academic content of the doctoral programme.

Article 4
SELECTION PROCEDURES

1. Each selection procedure shall include the assessment of the following:
   - the candidate's CV, to which a duly justified overall score shall be attributed, based on criteria defined by the Selection Board during the preliminary meeting; such criteria will be communicated to candidates by email, by the Board, before the examination(s) take place and published alongside the ranking lists. For certain programmes, the competition fact sheet indicates a minimum curriculum score required to access the next stage;
   - a research project (if applicable). The research project submitted for the selection procedure is not binding for the candidate's subsequent doctoral research;
   - a written examination (if applicable);
   - an interview.
2. The schedule of the selection procedures, **which will take place between 23 July and 1 August and between 25 August and 10 September 2025**, will be published on 10 July 2025 at https://www.unipi.it/bando2025-26/, indicating the location, date, and time of the sessions.
3. The research project (if applicable) and the CV, **signed and accompanied by a copy of a valid identity document**, must be uploaded **exclusively** during the online application process. These documents must be written in Italian and/or English. Candidates must submit their CVs and/or research projects (if applicable) for each selection they intend to apply for. Therefore, a CV and/or research project (if applicable) uploaded in relation to a specific application cannot be used for other applications. **Failure to upload the CV and/or the research project (if applicable) <u>does not</u> result in exclusion from the procedure**.
4. In the case of a written examination, the candidate must comply with the instructions issued by the Board regarding its proper conduct; failure to do so will result in exclusion.
5. To sit the written examination and/or take the interview (also via videoconference), the candidate must be identified, under penalty of exclusion, by means of a legally valid identity document. **Only if explicitly indicated in the programme fact sheet** may the interview be

conducted via videoconference, either for all admitted candidates or upon the candidate's request. Failure to appear in person or to connect via videoconference on the scheduled date and time of the examination shall be considered a withdrawal from the selection procedure.

6. Candidates with disabilities or with certified specific learning disorders (SLD-DSA), who require aids or additional time to take the admission examination, must submit a request **by 18 July 2025**, using the dedicated form and following the procedures published at the following links:
   - candidates with disabilities: https://www.unipi.it/index.php/usid/item/7817-assistenza-ai-concorsi-o-ai-test-di-valutazione;
   - candidates with SLD: https://www.unipi.it/index.php/servizi-e-orientamento/item/1174.

7. <u>Before assessing the CVs</u>, the Selection Board must meet to establish, during the preliminary session, the evaluation criteria and parameters for the CV and the other selection items. **Only** if a minimum curriculum score is established for CV assessment will the result be published **at least three days before the first test**. The Board will publish the results of the assessment of the CV, the written examination (if applicable), and the interview anonymously before each stage of the procedure, **on the Alice Portal** at **www.studenti.unipi.it**. Candidates will be able to access their results using their "pre-enrolment ID number" as mentioned in Article 2, paragraph 1, letter a) of this Call. **Publication on the Portal shall be considered official notification for all legal purposes. No individual notifications will be sent via email**.

8. All further communications regarding the selection procedures will be published <u>exclusively</u> through updates to the fact sheet of the specific programme, available at https://www.unipi.it/bando2025-26/.

9. Selection Boards shall be appointed for each selection procedure in accordance with Article 10 of the Regulation on Doctoral Programmes.

10. In the case of remote participation by one or more Board members, the provisions of the current Regulation on remote Board meetings shall apply, provided that:
    a) the meeting notice specifies that the session is held in person, with the possibility of remote participation for one or more members, and indicates any relevant operational details;
    b) the minutes include the names of the members present in person and those connected remotely, as well as the mode of connection for the latter.
    Meetings may also be held entirely online, in compliance with the provisions of the aforementioned Regulation.

11. Interviews conducted via videoconference shall take place as follows:
    a) Orally, using videoconferencing platforms provided by the University, which ensure simultaneous connection between the Board members and each candidate, in compliance with personal data protection regulations. This must be recorded in the minutes;
    b) Audio/video recording of the interview is prohibited. It is also forbidden for anyone to distribute any such recording;
    c) The public nature of the interview must be guaranteed by inviting all potential candidates via a link to the event. Any third party wishing to attend the interview may do so by requesting access through the link, which will be published at https://www.unipi.it/bando2025-26/;
    d) At the start of the session, a link will be provided through which each candidate present will be invited to join a dedicated virtual room with the Chair and/or the Secretary of the Board for visual identification by presenting a valid identity document remotely. This identification procedure must be recorded in the minutes;
    e) Upon conclusion of each individual interview, in a separate virtual room, the Chair shall disconnect all non-Board participants in order to proceed with the Board's evaluation.

Article 5
RANKING LISTS AND ENROLMENT

1. The ranking list of eligible candidates will be published by **30 September 2025** at the following address: https://www.unipi.it/bando2025-26/. The ranking is based on the overall score obtained by each candidate in the general assessment of the CV and the required examinations (including the evaluation of the research proposal, if applicable).

2. If explicitly indicated in the competition fact sheet, **the selection procedure may require the Selection Board to draw up separate ranking lists for each of the specific topics advertised**. In such cases, the Board shall ask each candidate an additional question during the interview for each topic, in order to produce a distinct ranking list for every topic-specific grant. At the conclusion of the interviews, the Board shall compile a separate ranking list for each topic-specific position.

3. The ranking list shall indicate the **successful candidates** for all advertised positions, including those awarded reserved positions. If, during the online application, a candidate has declared that they are applying as a civil servant, they will be automatically admitted to the PhD programme without a grant, and the grant will be awarded to the next eligible candidate.

4. In the event of a tie in the final score, priority for the allocation of all positions shall be given to the younger candidate.

5. Successful candidates must enrol by **1:00 p.m. (Italian time) on 3 October 2025; failure to do so will result in forfeiture of the position**.

6. Following the publication of the ranking lists (by 30 September 2025), all candidates listed as eligible and interested in participating in the reassignment procedures—should a selected candidate withdraw or fail to enrol—must explicitly confirm their interest in such reassignment procedures. The procedures for submitting this declaration of interest, along with the related deadline, will be published by 30 September 2025 at https://www.unipi.it/bando2025-26/. **Failure to submit such declaration of interest shall be considered an explicit withdrawal and the candidate will therefore be excluded from reassignment procedures**.

7. The list of reassigned candidates will be published using the same methods and at the same web address as the original rankings. Reassignment will proceed in accordance with the order of the ranking list and the dates indicated below and will only apply to candidates who have expressed their interest according to the procedure set out in the previous paragraph. **No reminder emails will be sent to selected or eligible candidates regarding the deadlines listed below**.

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	Publication date	**Final deadline for enrolment following reassignment**
1st reassignment	7 October 2025	**by 1 p.m. on 10 October 2025**
2nd reassignment	14 October 2025	**by 1 p.m. on16 October 2025**
3rd reassignment	20 October 2025	**by 1 p.m. on 22 October 2025**
4th reassignment	24 October 2025	**by 1 p.m. on 27 October 2025**
5th reassignment	29 October 2025	**by 1 p.m. on 31 October 2025**
6th reassignment	4 November 2025	**by 1 p.m. on 6 November 2025**
7th reassignment	10 November 2025	**by 1 p.m. on 12 November 2025**
8th reassignment	14 November 2025	**by 1 p.m. on 17 November 2025**
9th reassignment	19 November 2025	**by 1 p.m.**

	Publication date	Final deadline for enrolment following reassignment of 21 November 2025
10th reassignment	24 November 2025	by 1 p.m. 26 November 2025
11th reassignment	28 November 2025	by 1 p.m. of 1° December 2025

8. Reassignments from the ranking list after 1 December 2025 and no later than 31 December 2025 are permitted only following a duly justified request submitted by the Board of Lecturers of the PhD Programme and shall not entail the recovery of any training activities already carried out in the event of enrolment after the start of the programme (1 November 2025). Only in this case will further reassignments be communicated to the email address provided by the candidates in their online application.

9. **Withdrawal from any grant (including topic-specific grants) advertised in the Call shall be considered as an expression of no interest in the assignment of any other grant that may become available during the reassignment procedure.**
   On the other hand, withdrawal from a newly available grant assigned through reassignment shall not result in exclusion from subsequent assignments: eligible candidates will still be considered for any further grants that may become available.

10. The following documents must be submitted for enrolment, in accordance with the procedures that will be published by 30 September 2025 at https://www.unipi.it/bando2025-26/:
    a) proof of payment of the regional tax (or documentation proving temporary or permanent exemption) and of the stamp duty;
    b) the enrolment application, complete with all required attachments, using the form that will be made available at the above address;
    c) a declaration for enrolment, using the form that will be made available at the above address.

11. **Successful non-EU candidates who require a visa for long-term stays in Italy** must register on the *Universitaly* portal (https://www.universitaly.it/) and request a visa from the Italian Embassy or Consulate with territorial jurisdiction. **At the time of enrolment**, non-EU candidates must hold a residence permit valid for university enrolment or provide a receipt proving that they have submitted the relevant application. A copy of the permit (or receipt) must be sent to the "Concorsi e carriere dottorandi" Unit of the "Ricerca e valorizzazione delle conoscenze" Division. In the presence of duly justified reasons, the documentation may be submitted by 31 December 2025, with no obligation on the University to offer make-up sessions for activities already completed. In such cases, enrolment shall be conditional until the residence permit has been duly submitted. After that date, and no later than 30 April 2026, the PhD student shall begin the programme on the day following the issuance of the visa, and the doctoral programme shall end three years from that day.

12. **Successful candidates holding a foreign degree** must submit the original qualification by 30 November 2025, without prejudice to the deadlines indicated in the preceding paragraph.

13. For any personal communications, candidates must correctly provide their email address. The University accepts no responsibility for the loss of communications due to incorrect contact details, failure to notify a change of address, or issues attributable to third parties.

14. Participation in the PhD programme requires full-time and exclusive commitment. Authorisation for any paid activity must be requested by the PhD student in accordance with Article 14 of the University Regulations on PhD programmes. Such authorisation must also be requested by civil servants, except for candidates referred to in Article 3, paragraph 8.

15. After enrolment, the University of Pisa shall verify the accuracy of the statements made by successful candidates, pursuant to Articles 71 *et seq.* of Presidential Decree no. 445 of 28 December 2000. Should any statements be found to be wholly or partially untrue, the candidate

shall automatically forfeit the right to enrol and/or to receive the PhD grant, without prejudice to any personal liability as provided for in Articles 75 and 76 of the same Decree.

Article 6
ALLOCATION OF GRANTS

1. The details of the available grants are provided in the annexed programme fact sheets, which form an integral part of this Call. Some grants may be topic-specific; in such cases, the PhD candidates awarded these grants are required to carry out their doctoral activities on the specific research topic indicated in the relevant fact sheet.
2. The PhD Board of Lecturers, in compliance with the ranking order, shall decide on the allocation of grants to the eligible selected candidates. Grants will then be formally awarded by provision of the competent chief executive.
3. Candidates who have previously received, even partially, a grant for attendance in a PhD or equivalent programme at this or any other Italian university **are not eligible for a second PhD grant**.
4. The gross annual amount of the grant for the academic year 2025/2026 is EUR 16,243.00. Grant allocation is subject to the absence of any incompatibility as defined by current legislation, including that referred to in Article 12 of the University Regulations on PhD programmes. Grants, including those allocated through reassignment, will ordinarily commence on 1 November 2025.
5. The University cannot make advance payments on doctoral grants funded or co-funded by external public or private bodies without a bank guarantee. As a result, it will not cover any unpaid amounts owed by the external funder.
6. Grants are paid in monthly instalments. The amount is increased by 50% during periods of research conducted abroad, up to a total of twelve months. This period may be extended to a maximum of eighteen months for joint PhD programmes (co-tutelle) with foreign institutions or for programmes delivered in partnership with other entities. To benefit from this increase, the PhD student must be authorised by the PhD Board of Lecturers to undertake research abroad. The University cannot make any advance payments relating to this increase and therefore shall not cover any unpaid amounts owed by the external funder and not paid.
7. **Each Department of the University of Pisa may decide, at its own discretion and using its own resources, to award additional contributions to PhD students.**
8. Holders of research grants or research fellowships may be admitted to a PhD programme subject to the availability of resources related to the specific programme, as certified by the Department that awarded the grant or fellowship. The University does not guarantee funding for such positions for the entire duration of the PhD programme.

Article 7
TUITION FEES

1. Doctoral students are not required to pay tuition fees but only the regional tax, amounting to EUR 140.00 per year, for each year of enrolment.

Article 8
PERSON IN CHARGE OF THE PROCEDURE AND PROCESSING OF PERSONAL DATA

1. The person in charge of the administrative procedure is Dr Licia Del Corso.
2. Pursuant to Regulation (EU) 2016/679 (General Data Protection Regulation – GDPR), the personal data provided by candidates will be collected by the University of Pisa and processed for the purpose of managing the procedures referred to in this Call. The processing of personal data will be carried out both manually and by automated means; in all cases, the data will be stored in accordance with legal requirements. The provision of personal data is mandatory, and refusal to provide such data will result in the impossibility of carrying out the aforementioned procedures. Candidates may exercise the rights set out in Sections 2, 3 and 4 of Chapter III of

Regulation (EU) 2016/679 (e.g. rights of access and information, rectification and erasure, restriction and objection to processing, and data portability) by submitting a request via email. The full privacy notice pursuant to the above Regulation is available at the following link: https://www.unipi.it/bando2025-26/, under the section "Trattamento dei dati personali".
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Article 9
PUBLICATION OF THE CALL

1. This Call will be published at https://www.unipi.it/bando2025-26/ - *"Ammissione e iscrizioni"* and advertised electronically on the websites of the University of Pisa, MUR and European *Euraxess*.

2. This Call and the ranking lists will also be published on the University's official register http://alboufficiale.unipi.it.

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THE RECTOR
Prof. Riccardo Zucchi*

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* Digitally signed electronic document pursuant to Legislative Decree no. 82/2005 as amended and related regulations, which replaces the paper document and handwritten signature.

Self-certification – Employment as a Civil Servant [Art. 2(2) of the Call].
(*pursuant to Article 46, Presidential Decree no. 445 of 28 December 2000*)

I, the undersigned _____,

born in _____ (__) on ____/____/_____ and

residing in _____ (__) at (address)

_____

aware of the criminal penalties applicable in the event of false or untrue statements, as provided for in Articles 75 and 76 of Presidential Decree no. 445 of 28 December 2000, and pursuant to Article 47 of the aforementioned Presidential Decree no. 445/2000, under my personal responsibility

HEREBY DECLARE

- That I am currently employed as a civil servant on a _____ [*specify* permanent or fixed-term] basis at _____, under a contract of at least three years' duration, already in effect by the deadline of the Call;

- That I wish to apply as a civil servant and therefore automatically **waive** the PhD grant, with the consequent application of the merit ranking provisions set out in Article 5 of the Call;

- **That I am aware that this choice is irrevocable and may not be modified at a later stage**.

A valid identity document is attached and will be uploaded during the online application procedure.

Place and date _____

Signature _____

This declaration is exempt from stamp duty pursuant to Article 37 of Presidential Decree no. 445/2000

Self-certification – University Degree
(*pursuant to Article 46, Presidential Decree no. 445 of 28 December 2000*)

I, the undersigned _____,

born in _____ (__) on ____/____/_____ and

residing in _____ (__) at (address)

_____

aware of the criminal penalties applicable in the event of false or untrue statements, as provided for in Articles 75 and 76 of Presidential Decree no. 445 of 28 December 2000, and pursuant to Article 47 of the aforementioned Presidential Decree no. 445/2000, under my personal responsibility

HEREBY DECLARE

☐ that I have obtained a degree under the former Italian system / a second-level / Master's Degree in

_____ (class _____),

on _____ from the University of _____,

with a final grade of _____;

or

☐ that I will obtain a Master's Degree in

_____

(class _____),

by 31 October 2025, on _____, from the University of

_____.

A valid identity document is attached and will be uploaded during the online application procedure.

Place and date _____

Signature _____

This declaration is exempt from stamp duty pursuant to Article 37 of Presidential Decree no. 445/2000

To be printed on employer's letterhead

Employer Declaration – Contracted employee under agreement
[Article 3, paragraph 7 of the Call].

I, the undersigned _____,
born in _____ (__) on ____/____/_____ in my
capacity as legal representative / executive officer of the organisation / company
_____ with registered
office at _____

aware of the criminal penalties applicable in the event of false or untrue statements, as provided for in Articles 75 and 76 of Presidential Decree no. 445 of 28 December 2000, and pursuant to Article 47 of the aforementioned Presidential Decree no. 445/2000, under my personal responsibility

HEREBY DECLARE

that Mr/Mrs _____, born in
_____ on _____, is currently employed under a _____
(fixed-term/permanent) employment contract with this organisation, and that such contract has a duration of at least three years, corresponding to the duration of the PhD programme, with effect from _____.

I FURTHER DECLARE

that the organisation / company entered into a specific agreement with the University of Pisa on _____ for the purpose of allowing the above-mentioned employee to participate in the selection procedure for admission to the PhD programme.

A valid identity document is attached

Place and date _____

Signature _____

Self-certification – Research Grants / Fellowships
[pursuant to Article 3, paragraph 8 of the Call].
(*pursuant to Article 46, Presidential Decree no. 445 of 28 December 2000*)

I, the undersigned _____,

born in _____ (__) on ____/____/_____ and

residing in _____ (__) at (address)

_____

aware of the criminal penalties applicable in the event of false or untrue statements, as provided for in Articles 75 and 76 of Presidential Decree no. 445 of 28 December 2000, and pursuant to Article 47 of the aforementioned Presidential Decree no. 445/2000, under my personal responsibility

HEREBY DECLARE

that as of the deadline of the Call for Applications I am the holder of *[select one of the two options]*.

☐ A research grant awarded by the University of Pisa

☐ A research fellowship awarded by the University of _____

started on _____ and related to the following research project:

_____.

A valid identity document is attached and will be uploaded during the online application procedure

Place and date _____

Signature _____

This declaration is exempt from stamp duty pursuant to Article 37 of Presidential Decree no. 445/2000

> **IMPORTANT**:   This form must be uploaded, **exclusively** during the online application process, by candidates who wish to take the interview via videoconference (only if allowed as specified in the relevant programme fact sheet)

PHD
Request form for Videoconference Interview

I, the undersigned [*surname*] _____ [*first name*] _____

born in _____ on _____, with reference to the PhD selection

procedure for _____

HEREBY REQUEST

to take the admission interview remotely (via videoconference).

To this end, I provide the following contact details:

- mobile phone number _____

- email address _____.

Date _____

                                        Signature _____

PHD PROGRAMME IN BIOLOGY
ACADEMIC YEAR **2025/2026 (41° CICLO)**

Coordinator professor *Arianna Tavanti*

Department: Biologia
(https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-biologia-409999/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 13

BIO_01	**Outcome of the selection procedure:** Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	University of Pisa	Pathogenic mechanisms underlying neuromuscular diseases
For information regarding the research topic, candidates are invited to contact: prof. **Elisabetta Ferraro** elisabetta.ferraro@unipi.it		

BIO_02	**Outcome of the selection procedure:** Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		

1	University of Pisa	Exploiting mycobacterial secretion systems for development of new antituberculosis vaccines

For information regarding the research topic, candidates are invited to contact: prof. **Daria Bottai** daria.bottai@unipi.it

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BIO_03

Outcome of the selection procedure:
Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	Department of Biology of University of Pisa, Department of Excellence 2023-2027	Developmental processes and mechanisms regulating the plasticity of the serotonergic system

For information regarding the research topic, candidates are invited to contact: prof. **Massimo Pasqualetti** massimo.pasqualetti@unipi.i**t**

BIO_04

Outcome of the selection procedure:
Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	Department of Biology of University of Pisa, Department of Excellence 2023-2027	Behavioural Genomics and Metagenomics in Geladas

For information regarding the research topic, candidates are invited to contact: prof. **Elisabetta Palagi** elisabetta.palagi@unipi.it; **prof. Daniele Campa** daniele.campa@unipi.it

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BIO_05

Outcome of the selection procedure:
Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	Department of Biology of University of Pisa,	AI-driven comparative network analysis of trophic and parasitic interactions in terrestrial mammals across spatial and temporal scale

For information regarding the research topic, candidates are invited to contact: prof. **Alessandro Massolo** alessandro.massolo@unipi.it

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BIO_06

Outcome of the selection procedure:
Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	Department of Biology of University of Pisa,	Anthropogenic threats and conservation approaches for the protection of sea turtles

For information regarding the research topic, candidates are invited to contact: prof. **Paolo Casale** paolo.casale@unipi.it

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BIO_07

Outcome of the selection procedure:
Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	Department of Biology of University of Pisa,	Adaptations, evolution and demography of African Plio-Pleistocene faunas. Integrating genetics and palaeoenvironment modelling under machine learning

For information regarding the research topic, candidates are invited to contact: prof. **Giovanni Boschian** giovanni.boschian@unipi.it

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BIO_08

Outcome of the selection procedure:
Single ranking for research project

PhD positions: no. 1
of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	Department of Biology of University of Pisa,	Zebrafish as a model system for studying a rare neurodevelopmental syndrome caused by mutations in the NKTR gene

For information regarding the research topic, candidates are invited to contact: prof. **Michela Ori** michela.ori@unipi.it

BIO_09	**Outcome of the selection procedure:** Single ranking for research project
	PhD positions: no. 2 of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
2	Department of Biology of University of Pisa,	Mechanotransduction in neural and neuronal cells: modulation of gene expression induced by mechanical force

For information regarding the research topic, candidates are invited to contact: prof. **Vittoria Raffa** vittoria.raffa@unipi.it

BIO_10	**Outcome of the selection procedure:** Single ranking for research project
	PhD positions: no. 1 of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	Department of Chimica e chimica industriale of University of Pisa	Design of new-to-nature flavin-based photoenzymes through deep learning and synthetic biology

For information regarding the research topic, candidates are invited to contact: prof. **Beatrice Giuntoli** beatrice.giuntoli@unipi.it

BIO_11	**Outcome of the selection procedure:** Single ranking for research project
	PhD positions: no. 1 of which

No.	Financing institution	Research project / subject (optional)
Grant funded positions		
1	CNR - Istituto di Neuroscienze	Targeting Inhibitory Gabaergic Neurons In Combination With Standard Care And/Or Flash Radiotherapy To Fight Glioblastoma

For information regarding the research topic, candidates are invited to contact: prof. **Mario Costa** mario.costa@in.cnr.it

BIO_12	**Outcome of the selection procedure:** Single ranking for research project
	PhD positions: no. 1

	of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	Grant funded positions		
	1	Research Center "E.Piaggio" of University of Pisa	Innovative methodologies for the regeneration of intestinal tissues

For information regarding the research topic, candidates are invited to contact: prof. **Giovanni Vozzi** giovanni.vozzi@unipi.it

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N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

Below information refers to all of the selections above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, as outlined in **Attachment** of the PhD call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum:**
list of exams passed during the university career with grades;
degree grade;
copies of any publications;
other titles (language certificates, abstracts of conference participations, indicating whether poster or oral presentations, teaching support contracts, etc.).

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Particular attention will be paid to ascertaining prior knowledge in the proposed topic. The interview can be conducted in Italian or English; if conducted in Italian, the candidate's knowledge of English will be assessed.

It will also include an assessment of English language proficiency through the reading and translation of a passage from a scientific publication.

Competitions: BIO05, BIO06, BIO10
Interviews will take place remotely only.

Competitions: BIO01, BIO02, BIO03, BIO07, BIO08, BIO09, BIO11, BIO12

Web conference NO
The interview for the BIO01, BIO02, BIO03, BIO07, BIO08, BIO09, BIO11, BIO12 competitions will take place in person only.

Competition: BIO04
Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview

	Minimum grade	Maximum grade
Curriculum	30	40
To access the written examination, you need 30 as minimum grade out of 40		
Interview	40	60
You are eligible with 70 as minimum grade out of 100		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING AND ENROLLMENT
In article 5 of the PhD competition call the following information is to be found:
- candidates ranking drafting mode
- ranked list publication date
- procedures and deadlines for enrollment
- procedures and deadlines for enrollment in case a winner declines or does not proceed to enroll, so the next eligible person down the ranked list will be offered a position

INFO ON THE PHD COURSE

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-fisiche-chimiche-matematiche-e-biologiche/biologia/

Website:
https://www.biologia.unipi.it/dottorato-ph-d.htm

Course regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/regdottoratobiologia.pdf

PHD PROGRAMME IN ARTIFICIALE INTELLIGENCE
ACADEMIC YEAR 2025/2026 (41ST CYCLE)
in agreement with CNR-ISTI, CNR-IIT, Università di Bologna "*Alma Mater Studiorum*", Consorzio Interuniversitario Nazionale per l'Informatica – CINI, Università degli Studi di Modena e Reggio Emilia, Università Cattolica del Sacro Cuore – Milano, Università degli Studi di Napoli "L'Orientale", Scuola Normale Superiore, Scuola Superiore Sant'Anna, Scuola IMT "Alti Studi" di Lucca, Gran Sasso Science Institute, Istituto Nazionale di Fisica Nucleare – INFN, Università degli Studi di Messina

Coordinator professor Salvatore Ruggieri

Department: Informatica
(https://unimap.unipi.it/organizzazione/ente.php?d=489999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions available No. 44

of which:
PhD positions with grant No. 43
PhD positions reserved to employees No. 1

DN_AI_01	**Outcome of the selection procedure:** Single ranking list
	PhD positions: No. 43 **of which**

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Pisa	
1	Department of Informatica of the University of Pisa (CUP I53C22001530006)	*Designing neural networks that learn in time through a dynamical systems perspective*
1	Department of Informatica of the University of Pisa funded within the framework of "Progetto Mimosa" (CUP I53C23001760001)	*Design and Usage of Foundation Model-based Approaches and LLM-based Methods for Mining Interpretable Models*
2	Department of Informatica of the University of Pisa (CUP B53B24000020006)	*Human centered AI in online content moderation*
1	Department of Informatica of the University of Pisa funded thorough the project *RehAI Pioneering AI-Driven Solutions for Advanced Rehabilitation Service* (CUP I53C25000680001)	*Trustworthy AI for Personalized Neurorehabilitation: Adaptive Models for Clinical and Home-based Scenarios*
3	Department of Informatica of the University of Pisa funded thorough COLLAGE – FIS 2023_03382 (CUP I53C25000560001)	*Continual, Decentralized Compositionality and Orchestration of Foundation Models for Sustainable Artificial Intelligence*
1	Department of Chimica e Chimica Industriale of the University of Pisa (CUP I53C24003150001)	*Deep learning approaches for the design of photoenzymes*
1	*Institute of information science and technologies "Alessandro Faedo" (CNR-ISTI)*	*Refinement of dynamic large-scale Cultural Heritage and Scholarly Knowledge Graphs*
1	*Institute of information science and technologies "Alessandro Faedo" (CNR-ISTI)*	*Neuro-symbolic Reasoning and Learning*
1	*Institute of information science and technologies "Alessandro Faedo" (CNR-ISTI)*	*AI for 3D data generation, processing, and design*
1	*Institute of information science and technologies "Alessandro Faedo" (CNR-ISTI)*	*AI-Driven Biomechanical Analysis for Personalized Training*
1	*Institute of information science and technologies "Alessandro Faedo" (CNR-ISTI)*	*AI-Powered IoT Technologies for User Localization and Environmental Monitoring*
1	*Institute of information science and technologies "Alessandro Faedo" (CNR-ISTI)*	*Artificial Intelligence and its ethical implications*
1	Scuola Normale Superiore SNS	*Methods for trustworthy, human-centered, explainable AI and their application to understanding and predicting complex phenomena at the individual and social scales in domains characterized by human-machine collaboration. The methods studied will range from discriminative AI to generative AI and foundation models, depending on the candidate's background.*
1	Institute of Informatics and TelematicsCNR-IIT	*Decentralized Federated Continual Learning in Dynamic Systems*
1	Institute of Informatics and TelematicsCNR-IIT	*Generative AI for Mobile and Digital health*
1	Institute of Informatics and TelematicsCNR-IIT	*Private Quantum Machine Learning*
1	Institute of Informatics and TelematicsCNR-IIT	*Network Intelligence in 6G networks*
1	Institute of Informatics and TelematicsCNR-IIT	*Leveraging Large Language Models for Accurate and Efficient Information Extraction and Analysis from Multimodal Knowledge Bases*
1	Scuola Superiore ad Ordinamento Speciale Gran Sasso Science Institute GSSI	*Individual ethics of users and interactions with digital systems' ethics*

1	Scuola Superiore ad Ordinamento Speciale Gran Sasso Science Institute GSSI	*Adaptive autonomous systems with respect to individual user ethics*
1	Scuola IMT Alti Studi Lucca	*Complex Networks: statistical physics meets machine learning*
2	School of advanced studies Sant'Anna - Pisa	*AI, Statistics, Computer Science and Engineering for methodological research driven by big data with applications in Economics, Management and Law*
2	School of advanced studies Sant'Anna - Pisa	*Scientific Machine Learning for Urban Microclimate Surrogate Modelling, as part of the activities of the ERC project "DANTE - Data Aware efficient models of the urbaN microclimate" (GA 101115741)*
1	University Cattolica del Sacro Cuore - Milano	*Artificial Intelligence as System 0: Understanding and Evaluating AI as Cognitive Extension*
1	University Cattolica del Sacro Cuore - Milano	*Personalized AI in Neurorehabilitation for Cognitive and Socio-Relational Recovery*
1	University of Modena and Reggio Emilia	*Modular Deep Learning Approaches for Human Analysis in Smart Cities*
1	University of Modena and Reggio Emilia	*Versatile and Trustworthy Systems for Next-Generation Multimodal AI*
1	Consorzio Metis	*Design and development of AI techniques, focusing on federated learning in edge computing infrastructures for Smart Building applications*
1	Fondazione Pisana per la Scienza FPS	*Artificial Intelligence to integrate multi-omic and functional data to develop predictive models on glioblastoma and optimize personalized therapies*
1	University of Napoli L'Orientale	*Evaluating the Multilingual Capabilities of Generative Language Models: An In-Depth Analysis of the Italian language*
1	University of Napoli L'Orientale	*Regulating Generative AI models and systems: accountability, liability and data protection*
2	Istituto Nazionale Fisica Nucleare INFN	*Accelerating Physics research using Artificial Intelligence*
1	*Alma Mater Studiorum* University of Bologna e Fondazione Bruno Kessler FBK	*AI Compliance in NLP and LLM Systems: Ensuring Fairness and Robustness*
1	*Alma Mater Studiorum* University of Bologna e Fondazione Bruno Kessler FBK	*Compliance of AI algorithms in Digital Twin: Addressing Fairness and Robustness*
1	*Alma Mater Studiorum* University of Bologna e Consorzio Interuniversitario Nazionale per l'Informatica CINI	*AI-assisted Knowledge Engineering with Large Language Models*
1	University of Messina	*Distributed Intelligence and Federated Learning in Cloud-Edge Continuum*

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, <u>can choose whether</u>:
1. <u>apply as a public employee, thereby automatically renouncing the PhD grant;</u>

	2. <u>apply for a position with PhD grant, without declaring their status as public employee during the online application process;</u> In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications. Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **<u>Once this choice is done it is irrevocable and cannot be modified at a later time.</u>**
DN_AI_02	**Outcome of the selection procedure:** Ranking reserved to employees of *Selexi* **s.r.l.** (legal head office Milan)
	PhD positions: No. 1 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	*Selexi* srl	Costruzione, validazione ed implementazione di strumenti di valutazione delle competenze soft in ambito risorse umane, potenziati da intelligenza artificiale

<u>The information below is valid for all selection procedures listed above.</u>

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
<u>or</u>
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

<u>**Please note**</u>: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

<u>Curriculum</u>
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **<u>Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.</u>**
<u>During the online application process,</u> candidates are required to specify 2 names and contacts (e-mail address and phone number) of professors and scholars of Artificial intelligence, who are available to provide and upload references **by July, 18th 2025 23:59 (Italian time)**, following the instructions that will be sent to them directly by email.

<u>Interview</u>
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Candidates will have to demonstrate an adequate knowledge of the English language the Examination Committee will verify candidates' English language proficiency.
Web conference SI
Interviews may only be taken online mode

<u>Research project</u>

to be evaluated along with the curriculum and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.

The research project is aimed at assessing the candidates' propensity to research activity and their awareness regarding the challenges of multi-disciplinary research and innovation in Artificial Intelligence (AI), both towards innovative applications of AI in society and in devising new tools and theories for future AI. The submitted project should therefore briefly outline the research questions addressed, contextualising them within the aforementioned challenges. The paper should not exceed the limit of 9000 characters (including spaces), corresponding to approximately two pages (excluding bibliography). Based on their research interests, applicants may indicate up to three preferences—listed in decreasing order of priority—for the grant offered, during the online application procedure for the PhD call.

	Minimum grade	Maximum grade
Curriculum	36	60
Candidates who have obtained a score of at least 36 out of 60 points are admitted to the interview.		
Interview	36	60
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 72 out of 120 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/dottorati-nazionali/

Website:
https://phd-ai-society.di.unipi.it/

PhD Programme regulations:
Currently being enacted

PHD PROGRAMME IN LINGUISTIC STUDIES AND FOREIGN LITERATURES AND ITALIAN STUDIES
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Director of Department professor *Alessandro Lenci*

Department: Filologia, letteratura e linguistica
https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-filologia-letteratura-e-linguistica-459999/

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 3

DISCI_01	**Outcome of the selection procedure:** Ranking list for *curriculum* Modern and comparative foreign literatures (French, English, Portuguese, Romanian, Spanish, Slavonic, German)
	PhD positions: No. 1 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Pisa	

DISCI_02	**Outcome of the selection procedure:** Ranking list for *curriculum* Italian Studies (Literary, Philological, and Linguistic)
	PhD positions: No. 1 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Pisa	

DISCI_03	**Outcome of the selection procedure:**
	Ranking list for *curriculum* General, historical, applied, computational, educational and modern languages linguistics (French, English, Portuguese, Spanish, German, Baltic and Slavic languages)

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Filologia, Letteratura e Linguistica of University of Pisa, Department of Excellence 2023-2027	

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, as outlined in **Attachment** of the PhD call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Written examination.
The written test will be aimed at assessing the academic prerequisites. The test may be taken in either Italian or English, at the candidate's choice.

Competition DISCI02

For the *curriculum* in Italian Studies (literary, philological, linguistic), the written test <u>must</u> be held in Italian, as it is aimed at assessing the specific disciplinary skills required by the curriculum itself.

<u>Interview</u>

The interview aims at further assessing the candidates' background knowledge, as well as their aptitude for research, their willingness to profit from relevant formative opportunities in Italy and abroad, and their interest in in-depth academic investigation. Candidates' proficiency in the main foreign language of their research project as well as in another of the foreign languages that are studied in the Programme will be assessed. International candidates holding a foreign degree can be interviewed in English.

Web conference NO

<u>Research project</u>
to be evaluated along with the *curriculum* and illustrated during the interview

The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process. In order to highlight the capacity to carry out the project, the research project will be evaluated together with the *curriculum* and the candidate discuss it during the interview. The project (min. 5,000-max. 10,000 characters, incl. spaces, to be accompanied by a bibliography) must clearly illustrate its working hypothesis, research subject and methodological structure. It should also be characterised by elements of originality with respect to the state of the art and contain references to its development during the three years of the PhD program. The project must be written in Italian and accompanied by an abstract (min. 1,000 characters, incl. spaces) written in the language of the candidate's specialisation, which must be one of the foreign languages included in the PhD syllabus. Candidates who do not specialise in any language must present an abstract written in one of the foreign languages included in the PhD syllabus

Competition DISCI02

The research project must be written <u>only</u> in Italian, without an abstract in a foreign language.

	Minimum grade	Maximum grade
Curriculum	21	35
Candidates who have obtained a score of at least 21 out of 35 points are admitted to the written test.		
Written examination	21	35
Candidates who have obtained a score of at least 21 out of 35 points are admitted to the interview.		
Interview	18	30
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 60 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:

The research activities carried out by the members of the Academic Board cover the scientific-disciplinary sectors represented in the three curricula: *'General, Historical, Applied, Computational, Educational Linguistics, and Modern Languages (French, English, Portuguese, Spanish, German, Baltic and Slavic Languages)'*, *'Modern and Comparative Foreign Literatures (French, English, Portuguese, Romanian, Spanish, Slavic Studies, German)'*, *'Italian Studies (Literary, Philological, Linguistic)'*. In the field of literature, research spans from the origins of European literatures to contemporary works, with a focus on the various forms and genres, research methodologies, the history of the disciplines, and knowledge transmission techniques. In the field of linguistics, research focuses on ancient and modern (Indo-)European languages, Italian, and dialects, addressing phonetic, phonological, morphological, syntactic, and lexicological structures from both synchronic and diachronic perspectives. In the field of philology, the PhD program investigates the formal, material, and historical-literary aspects of texts written in the cultural languages of Western Europe (including the vernaculars, Latin, and Greek) as well as those produced in Italy or related to Italian culture. Studies in literary criticism and comparative literature approach, at both theoretical and hermeneutical levels, including a contrastive perspective, the general problem of literature, genres, production, dissemination, and evaluation of texts. The PhD Program in Linguistic Disciplines, Foreign Literatures, and Italian Studies aims to provide its students with advanced specialized training in linguistic, philological (medieval, humanistic, and modern), and literary studies. By the end of the course, each doctoral student will have acquired the specific disciplinary competencies required by their curriculum. In particular: The curriculum in *'General, Historical, Applied, Computational, Educational Linguistics, and Modern Languages'* aims to develop knowledge of theoretical models of linguistic analysis and their practical applications, both in ancient and modern languages, and from both synchronic and diachronic perspectives. The curriculum in *'Modern and Comparative Foreign Literatures'* aims to provide solid expertise in the history and major phenomena of the main European literatures, as well as in the theories and methods of text analysis in relation to the main continental traditions. The curriculum in *'Italian Studies (Literary, Philological, Linguistic)'* aims to develop the competencies necessary to conduct high-level research in Italian Studies disciplines (literary, philological, historical-linguistic, medieval and humanistic literature and philology, comparative studies), both in academic institutions and in public or private research organizations, including training in the field of Digital Humanities (digital editions, corpus creation and management).

PhD Programme *curricula*:
1. General, historical, applied, computational, educational and modern languages linguistics (French, English, Portuguese, Spanish, German, Baltic and Slavic languages)
2. Modern and comparative foreign literatures (French, English, Portuguese, Romanian, Spanish, Slavonic, German)
3. Italian Studies (Literary, Philological, and Linguistic)

Website:
The dedicated website is currently under construction and will be made available as soon as it is completed.

PhD Programme regulations:
Pending issuance

PHD PROGRAMME IN BUSINESS ADMINISTRATION AND MANAGEMENT
ACADEMIC YEAR 2025/2026 (41ST CYCLE)
partnered with university of Florence and university of Siena

Coordinator professor *Simone Lazzini*

Department of Economics and Management
(https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-economia-e-management-439999 /)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

ECO_01	Outcome of the selection procedure: Single ranking list	
	PhD positions: No. 8 of which	
	No.	**Financing institution**	**Research project / subject** (optional)

ECO_01	No.	Financing institution	Research project / subject (optional)
	PhD Grants		
	1	University of Pisa	
	1	Università degli Studi di Firenze	
	1	Università degli Studi di Siena	
	1	Centro Servizi Polo Universitario "Sistemi Logistici" di Livorno	Managing the Blue Economy: Strategic Implications for Maritime Economy and Port Logistics
	2	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000050006)	

	-require a study and research stay-abroad period of at least 6 (six) months	
1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000050006) -require a **study and research stay-abroad period of at least 12 (twelve) months** (for recipients of an "International grant")	
1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000050006) -require a **study and research stay-abroad period of at least 6 (six) months**	Artificial Intelligence (AI) and Managerial Decision-Making between managerial revolution and ethical dilemmas

Further requirements

Beneficiaries of **"Pegaso" PhD grants** – academic year. 2025/26, funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, must <u>also</u>:

- be no older than 35 years of age at the time of application for the PhD call (up to and including the day of their 35th birthday);

- demonstrate an adequate knowledge of the English language (at least B2 level), which will be assessed by the examining board during the selection process. Candidates must present a valid B2 English level certificate (at least) prior to enrollment and acceptance of the Pegaso grant.

- declare their willingness to carry out a study and research stay abroad of at least 6 (six) months (12 (twelve) months for recipients of an international grant), and to acknowledge that failure to complete the mandatory mobility period may result in the revocation of the entire scholarship by the Tuscany Region. This declaration is not required for beneficiaries of topic-specific PhD grants for whom no international mobility was foreseen at the time of project submission;

- (only for recipients of PhD research project grants) formally declare their willingness to carry out a training/research experience of at least 3 (three) months in an applied context – such as companies, public research institutions, other public institutions (not universities) – and acknowledge that failure to carry out such experience may result in the revocation of the full scholarship by the Regione Toscana;

- declare their willingness to attend courses on soft skills development, knowledge of the labour market and research environment, and methodologies for data collection, analysis, and management (Data Science), as proposed by the implementing body over the three-year duration of the PhD programme.

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, <u>can choose whether</u>:

1. <u>apply as a public employee, thereby automatically renouncing the PhD grant;</u>

2. <u>apply for a position with PhD grant, without declaring their status as public employee during the online application process;</u>

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **<u>Once this choice is done it is irrevocable and cannot be modified at a later time.</u>**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA (art. 4 of the PhD competition call)

Curriculum
The curriculum, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Please attach the following documents to your application. These documents must be uploaded exclusively during the online registration phase for the competition:
- A copy of any publications
- The master's thesis or equivalent, or for candidates who have not yet obtained their degree, a draft of the thesis
- A list of exams taken during the university career with the corresponding grades and the final degree grade
- Any additional documentation

Interview
The interview will assess the candidates' knowledge, their research aptitude in the economic-business field (assessed on the basis of the project submitted), willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Candidates will also have to demonstrate an adequate knowledge of the English language (at least equivalent to CEFR B2).

Web conference SI

Candidates wishing to attend the interview via video conference are required to upload the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.

	Minimum grade	Maximum grade
Curriculum	0	20
Interview	60	80
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 60 out of 100 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-giuridiche-economiche-e-politico-sociali/economia-aziendale-e-management/

Website:
https://phd.ec.unipi.it/

PhD Programme regulations:
http://alboufficiale.unipi.it/wp-content/uploads/2018/07/dr-dott_ec._az.pdf

"PEGASO" GRANTS – EUROPEAN UNION AND REGIONAL PROVISIONS

Article 15 of the Regional Notice states regional notice states that public calls issued by the implementing body for admission to PhD programmes funded under the regional "Pegaso" scheme must include: the logos of the funding bodies (UE, Country, Region – Giovanisì) and PR FSE 2021/27 programme, as well as references to the relevant EU, national and regional legislation, as outlined below.

Disposizioni dell'Unione europea e regionali:
- Regolamento (UE, Euratom) n. 2093/2020 del Consiglio del 17 dicembre 2020 che stabilisce il quadro finanziario pluriennale per il periodo 2021-2027;
- Visto il Regolamento (UE) 2021/1057 del Parlamento europeo e del Consiglio, del 24 giugno 2021, che istituisce il Fondo sociale europeo Plus (FSE+) e che abroga il regolamento (UE) n. 1296/2013;
- Visto il Regolamento (UE) n. 2021/1060 del Parlamento europeo e del Consiglio del 24 giugno 2021, recante le disposizioni comuni applicabili al Fondo europeo di sviluppo regionale, al Fondo sociale europeo Plus, al Fondo di coesione, al Fondo per una transizione giusta, al Fondo europeo per gli affari marittimi, la pesca e l'acquacoltura, e le regole finanziarie applicabili a tali fondi e al Fondo Asilo, migrazione e integrazione, al Fondo Sicurezza interna e allo Strumento di sostegno finanziario per la gestione delle frontiere e la politica dei visti, in particolare l'articolo 23, paragrafo 4;
- Visto il Regolamento (UE) n. 679/2016 del Parlamento europeo e del Consiglio, del 27 aprile 2016, relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, nonché alla libera circolazione di tali dati e che abroga la direttiva 95/46/CE (regolamento generale sulla protezione dei dati);
- Vista la Decisione di esecuzione della Commissione C(2022)4787 finale del 15 luglio 2022 che approva l'Accordo di Partenariato con la Repubblica Italiana CCI 2021IT16FFPA001, relativo al ciclo di programmazione 2021-2027;
- Richiamata la Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia;
- Richiamata la DGR 1016 del 12/09/22 "Presa d'atto della Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia";
- Richiamata la DGR 122/2023 e ssmmii con la quale è stato approvato il Provvedimento attuativo del PR FSE + 2021/27;
- Visti i criteri di selezione delle operazioni da ammettere al cofinanziamento del Fondo Sociale Europeo Plus nella programmazione 2021-2027 della Regione Toscana approvati dal Comitato di sorveglianza del Programma il 18/11/2022;
- Vista la Decisione n. 2 del 19 giugno 2023 e ssmmii che approva il Sistema di Gestione e Controllo del PR FSE+ 2021/27;
- Vista la Deliberazione della Giunta Regionale n. 610 del 05/06/2023 che ai sensi dell'Articolo 17 comma 1, della LR 32/2002 ss.mm.ii., approva il "Regolamento (UE) 2021/1060 – PR FSE+ 2021-2027. Manuale per i beneficiari – Disposizioni per la gestione degli interventi oggetto di sovvenzioni a valere sul PR FSE+ 2021-2027;
- Visto il Programma Regionale di Sviluppo 2021-2025, adottato con Delibera di Giunta Regionale n.1392 del 07/12/2022;
- Visto l'articolo 64 del Regolamento (UE) 2021/1060 e dell'articolo 16 del regolamento (UE) 2021/1057 in materia di ammissibilità delle spese;
- Visto il DP.R. n. 22 del 5/02/2018 recante il "Regolamento sui criteri sull'ammissibilità delle spese per i programmi cofinanziati dai Fondi strutturali di investimento europei (SIE) per il periodo di programmazione 2014/2020" e s.m.i, a cui si fa riferimento nelle more dell'adozione della nuova norma nazionale in materia di ammissibilità delle spese per il periodo 2021-2027;

- Visti la Legge regionale 26 luglio 2002, n. 32 "Testo unico della normativa della Regione Toscana in materia di educazione, istruzione, orientamento, formazione professionale e lavoro." e ss.mm.ii. e il Decreto del Presidente della Giunta Regionale 8 agosto 2003, n. 47/R e ss.mm.ii., recante "Regolamento di esecuzione della L.R. 26.7.2002, n. 32";
- Visto il D.L. 30 aprile 2019, n. 34 (Misure urgenti di crescita economica e per la risoluzione di specifiche situazioni di crisi), convertito in L. n.58/2019, che prevede, per i soggetti di cui all'art. 35, specifici obblighi di pubblicazione delle informazioni relative a sovvenzioni, sussidi, vantaggi, contributi o aiuti, nei propri siti internet o analoghi portali digitali e nella nota integrativa al bilancio di esercizio e nell'eventuale consolidato;
- Vista la DGR 1321/2022 "Strategia regionale di specializzazione intelligente (S3) per il periodo di programmazione UE 2021/27;
- Vista la DGR 1510/2023 "Strategia di specializzazione intelligente 2021-2027. Piano di Lavoro 2024-25";
- Dato atto che nell'ambito del PR Toscana FSE+ 2021/27 e nel relativo PAD approvato con DGR 122/23 è ricompresa nell'Asse 2, l'attività 2.f.2. "Corsi di laurea e post laurea realizzati in rete";
- Richiamata la Delibera di Giunta Regionale n . 74 del 27 gennaio 2025 che approva gli elementi essenziali dell'avviso "PR FSE 2021/27 – Corsi di dottorato realizzati in rete ciclo XLI – Borse Pegaso 2025" destinando euro 6.000.000,00 alla sua attuazione.
- Dato atto che il contributo è soggetto a monitoraggio di spesa e rendicontazione da effettuare secondo le modalità e le scadenze del PR FSE 2021/27;
- Dato atto della somma assegnata alla Regione Toscana come da PR FSE 2021/27, approvato con Decisione della Commissione C(2022) n. 6089 del 19/08/2022, e da Piano attuativo di dettaglio (PAD) del PR FSE 2021/27 adottato con delibera della Giunta n. 122/2023, il relativo accertamento di entrata sarà assunto sulla base di estrazioni periodiche e comunicazione ai singoli settori competenti sul bilancio finanziario gestionale 2025/27;
- Vista la Deliberazione della Giunta Regionale n.1 del 08/01/2025 con cui viene approvato il Documento Tecnico di Accompagnamento al Bilancio di Previsione 2025-2027 e del Bilancio Finanziario Gestionale 2025-2027.
- Dato atto che l'intervento è stato inserito nel cronoprogramma degli interventi da realizzare con il PR FSE 2021/27 nel 2025.

PHD PROGRAMME IN BUSINESS ADMINISTRATION AND MANAGEMENT
ACADEMIC YEAR 2025/2026 (41ST CYCLE)
partnered with university of Florence and university of Siena

Coordinator professor *Simone Lazzini*

Department of Economics and Management
(https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-economia-e-management-439999 /)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

ECO_01	**Outcome of the selection procedure:** Single ranking list		
	PhD positions: No. 8 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	University of Pisa	
	1	Università degli Studi di Firenze	
	1	Università degli Studi di Siena	
	1	Centro Servizi Polo Universitario "Sistemi Logistici" di Livorno	Managing the Blue Economy: Strategic Implications for Maritime Economy and Port Logistics
	2	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany	

		Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000050006) -require a study and research stay-abroad period of at least 6 (six) months	
	1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000050006) -require a **study and research stay-abroad period of at least 12 (twelve) months** (for recipients of an "International grant")	
	1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000050006) -require a **study and research stay-abroad period of at least 6 (six) months**	Artificial Intelligence (AI) and Managerial Decision-Making between managerial revolution and ethical dilemmas

Further requirements

Beneficiaries of **"Pegaso" PhD grants** – academic year. 2025/26, funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, must <u>also</u>:

- be no older than 35 years of age at the time of application for the PhD call (up to and including the day of their 35th birthday);
- demonstrate an adequate knowledge of the English language (at least B2 level), which will be assessed by the examining board during the selection process. Candidates must present a valid B2 English level certificate (at least) prior to enrollment and acceptance of the Pegaso grant.
- declare their willingness to carry out a study and research stay abroad of at least 6 (six) months (12 (twelve) months for recipients of an international grant), and to acknowledge that failure to complete the mandatory mobility period may result in the revocation of the entire scholarship by the Tuscany Region. This declaration is not required for beneficiaries of topic-specific PhD grants for whom no international mobility was foreseen at the time of project submission;
- (only for recipients of PhD research project grants) formally declare their willingness to carry out a training/research experience of at least 3 (three) months in an applied context – such as companies, public research institutions, other public institutions (not universities) – and acknowledge that failure to carry out such experience may result in the revocation of the full scholarship by the Regione Toscana;
- declare their willingness to attend courses on soft skills development, knowledge of the labour market and research environment, and methodologies for data collection, analysis, and management (Data Science), as proposed by the implementing body over the three-year duration of the PhD programme.

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, <u>can choose whether</u>:
1. <u>apply as a public employee, thereby automatically renouncing the PhD grant;</u>
2. <u>apply for a position with PhD grant, without declaring their status as public employee during the online application process;</u>
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **<u>Once this choice is done it is irrevocable and cannot be modified at a later time.</u>**

<u>The information below is valid for all selection procedures listed above.</u>

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA (art. 4 of the PhD competition call)

Curriculum
The curriculum, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Please attach the following documents to your application. These documents must be uploaded exclusively during the online registration phase for the competition:
- A copy of any publications
- The master's thesis or equivalent, or for candidates who have not yet obtained their degree, a draft of the thesis
- A list of exams taken during the university career with the corresponding grades and the final degree grade
- Any additional documentation

Interview
The interview will assess the candidates' knowledge, their research aptitude in the economic-business field (assessed on the basis of the project submitted), willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Candidates will also have to demonstrate an adequate knowledge of the English language (at least equivalent to CEFR B2).

Web conference SI

Candidates wishing to attend the interview via video conference are required to upload the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.

	Minimum grade	Maximum grade
Curriculum	0	20
Candidates who have obtained a score of at least 0 out of 20 points are admitted to the interview.		
Interview	60	80
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 60 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-giuridiche-economiche-e-politico-sociali/economia-aziendale-e-management/

Website:
https://phd.ec.unipi.it/

PhD Programme regulations:
http://alboufficiale.unipi.it/wp-content/uploads/2018/07/dr-dott_ec._az.pdf

"PEGASO" GRANTS – EUROPEAN UNION AND REGIONAL PROVISIONS
Article 15 of the Regional Notice states regional notice states that public calls issued by the implementing body for admission to PhD programmes funded under the regional "Pegaso" scheme must include: the logos of the funding bodies (UE, Country, Region – Giovanisì) and PR FSE 2021/27 programme, as well as references to the relevant EU, national and regional legislation, as outlined below.

Disposizioni dell'Unione europea e regionali:
• Regolamento (UE, Euratom) n. 2093/2020 del Consiglio del 17 dicembre 2020 che stabilisce il quadro finanziario pluriennale per il periodo 2021-2027;
• Visto il Regolamento (UE) 2021/1057 del Parlamento europeo e del Consiglio, del 24 giugno 2021, che istituisce il Fondo sociale europeo Plus (FSE+) e che abroga il regolamento (UE) n. 1296/2013;
• Visto il Regolamento (UE) n. 2021/1060 del Parlamento europeo e del Consiglio del 24 giugno 2021, recante le disposizioni comuni applicabili al Fondo europeo di sviluppo regionale, al Fondo sociale europeo Plus, al Fondo di coesione, al Fondo per una transizione giusta, al Fondo europeo per gli affari marittimi, la pesca e l'acquacoltura, e le regole finanziarie applicabili a tali fondi e al Fondo Asilo, migrazione e integrazione, al Fondo Sicurezza interna e allo Strumento di sostegno finanziario per la gestione delle frontiere e la politica dei visti, in particolare l'articolo 23, paragrafo 4;
• Visto il Regolamento (UE) n. 679/2016 del Parlamento europeo e del Consiglio, del 27 aprile 2016, relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, nonché alla libera circolazione di tali dati e che abroga la direttiva 95/46/CE (regolamento generale sulla protezione dei dati);
• Vista la Decisione di esecuzione della Commissione C(2022)4787 finale del 15 luglio 2022 che approva l'Accordo di Partenariato con la Repubblica Italiana CCI 2021IT16FFPA001, relativo al ciclo di programmazione 2021-2027;
• Richiamata la Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia;
• Richiamata la DGR 1016 del 12/09/22 "Presa d'atto della Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia";
• Richiamata la DGR 122/2023 e ssmmii con la quale è stato approvato il Provvedimento attuativo del PR FSE + 2021/27;
• Visti i criteri di selezione delle operazioni da ammettere al cofinanziamento del Fondo Sociale Europeo Plus nella programmazione 2021-2027 della Regione Toscana approvati dal Comitato di sorveglianza del Programma il 18/11/2022;
• Vista la Decisione n. 2 del 19 giugno 2023 e ssmmii che approva il Sistema di Gestione e Controllo del PR FSE+ 2021/27;
• Vista la Deliberazione della Giunta Regionale n. 610 del 05/06/2023 che ai sensi dell'Articolo 17 comma 1, della LR 32/2002 ss.mm.ii., approva il "Regolamento (UE) 2021/1060 – PR FSE+ 2021-2027. Manuale per i beneficiari – Disposizioni per la gestione degli interventi oggetto di sovvenzioni a valere sul PR FSE+ 2021-2027;
• Visto il Programma Regionale di Sviluppo 2021-2025, adottato con Delibera di Giunta Regionale n.1392 del 07/12/2022;
• Visto l'articolo 64 del Regolamento (UE) 2021/1060 e dell'articolo 16 del regolamento (UE) 2021/1057 in materia di ammissibilità delle spese;
• Visto il DP.R. n. 22 del 5/02/2018 recante il "Regolamento sui criteri sull'ammissibilità delle spese per i programmi cofinanziati dai Fondi strutturali di investimento europei (SIE) per il periodo di programmazione 2014/2020" e s.m.i, a cui si fa riferimento nelle more dell'adozione della nuova norma nazionale in materia di ammissibilità delle spese per il periodo 2021-2027;

- Visti la Legge regionale 26 luglio 2002, n. 32 "Testo unico della normativa della Regione Toscana in materia di educazione, istruzione, orientamento, formazione professionale e lavoro." e ss.mm.ii. e il Decreto del Presidente della Giunta Regionale 8 agosto 2003, n. 47/R e ss.mm.ii., recante "Regolamento di esecuzione della L.R. 26.7.2002, n. 32";
- Visto il D.L. 30 aprile 2019, n. 34 (Misure urgenti di crescita economica e per la risoluzione di specifiche situazioni di crisi), convertito in L. n.58/2019, che prevede, per i soggetti di cui all'art. 35, specifici obblighi di pubblicazione delle informazioni relative a sovvenzioni, sussidi, vantaggi, contributi o aiuti, nei propri siti internet o analoghi portali digitali e nella nota integrativa al bilancio di esercizio e nell'eventuale consolidato;
- Vista la DGR 1321/2022 "Strategia regionale di specializzazione intelligente (S3) per il periodo di programmazione UE 2021/27;
- Vista la DGR 1510/2023 "Strategia di specializzazione intelligente 2021-2027. Piano di Lavoro 2024-25";
- Dato atto che nell'ambito del PR Toscana FSE+ 2021/27 e nel relativo PAD approvato con DGR 122/23 è ricompresa nell'Asse 2, l'attività 2.f.2. "Corsi di laurea e post laurea realizzati in rete";
- Richiamata la Delibera di Giunta Regionale n . 74 del 27 gennaio 2025 che approva gli elementi essenziali dell'avviso "PR FSE 2021/27 – Corsi di dottorato realizzati in rete ciclo XLI – Borse Pegaso 2025" destinando euro 6.000.000,00 alla sua attuazione.
- Dato atto che il contributo è soggetto a monitoraggio di spesa e rendicontazione da effettuare secondo le modalità e le scadenze del PR FSE 2021/27;
- Dato atto della somma assegnata alla Regione Toscana come da PR FSE 2021/27, approvato con Decisione della Commissione C(2022) n. 6089 del 19/08/2022, e da Piano attuativo di dettaglio (PAD) del PR FSE 2021/27 adottato con delibera della Giunta n. 122/2023, il relativo accertamento di entrata sarà assunto sulla base di estrazioni periodiche e comunicazione ai singoli settori competenti sul bilancio finanziario gestionale 2025/27;
- Vista la Deliberazione della Giunta Regionale n.1 del 08/01/2025 con cui viene approvato il Documento Tecnico di Accompagnamento al Bilancio di Previsione 2025-2027 e del Bilancio Finanziario Gestionale 2025-2027.
- Dato atto che l'intervento è stato inserito nel cronoprogramma degli interventi da realizzare con il PR FSE 2021/27 nel 2025.

PHD PROGRAMME IN PHYSICS
ACADEMIC YEAR **2025/2026 (41ST CYCLE)**
partnered with Istituto Nazionale di Fisica Nucleare (INFN)

Coordinator professor *Massimo D'Elia*

Department: Physics
(https://unimap.unipi.it/organizzazione/ente.php?d=469999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 9

FISICA_01	**Outcome of the selection procedure:** Single ranking list

PhD positions: No. 7
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
2	University of Pisa	
2	Department of Physics of the University of Pisa, Department of Excellence 2023/2027	New Concepts and Architectures for Signal Detection in Frontier Physics
3	Istituto Nazionale di Fisica Nucleare INFN	

FISICA_02	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Physics of the University of Pisa	Search for Sterile Neutrino at the Icarus Experiment at Fermilab

FISICA_03	**Outcome of the selection procedure:** Single ranking list for research project	
	PhD positions: No. 1	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	1 / Department of Information Engineering of the University of Pisa	Computational design and modeling of nanoscale electron devices based on advanced materials

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
During the application process, it is requested to upload:
- a list of exams taken during the university career, with the relative marks obtained during the Master's Degree;
- participation in schools and/or research experiences and any publications;
- abstract of the Master's Degree thesis.

Written examination
The written test may only be taken in person in the Department of Physics of the University of Pisa.
The written test will be aimed at verifying the cultural prerequisites. The candidate may carry out the test in Italian or English. The test will include a cultural check on general physics topics and/or a contextualized dissertation with reference to a current line of research, and on how this line can be developed in a project.
The test may be taken in either Italian or English, at the candidate's choice.

Interview

The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.

The interview must be broad and in-depth, and of a suitable duration to allow the commission to make a detailed assessment of the level of preparation and scientific potential of the candidates. This test will also include an English language proficiency test.

Web conference YES

Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

	Minimum grade	**Maximum grade**
Curriculum	0	20
Written examination	24	40
Candidates who have obtained a score of at least 24 out of 40 points are admitted to the interview.		
Interview	24	40
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 48 out of 100 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025**.

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-fisiche-chimiche-matematiche-e-biologiche/fisica/

Website:
https://phd2.df.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/redotfisica.pdf

UNIVERSITÀ DI PISA

PHD PROGRAMME IN CLINICAL PHISIOPATHOLOGY
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Luca Bruschini*

Department: Patologia Chirurgica, Medica, Molecolare e dell'Area Critica
(http://www.medpat.unipi.it)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 6

FISIO_01	**Outcome of the selection procedure:** Single ranking list

PhD positions: No. 1 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Pisa	

FISIO_02	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Dipartimento di Patologia Chirurgica, Medica, Molecolare e dell'Area Critica dell'Università di Pisa Dipartimento di Medicina Clinica e Sperimentale dell'Università di Pisa	Role of Incretin Hormones in Weight Loss-Induced Remission of Type 2 Diabetes

FISIO_03

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Dipartimento di Patologia Chirurgica, Medica, Molecolare e dell'Area Critica dell'Università di Pisa	Preclinical evaluation of cabozantinib in co-cultures of anaplastic thyroid cancer cells and adipose cells

FISIO_04

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Dipartimento di Patologia Chirurgica, Medica, Molecolare e dell'Area Critica dell'Università di Pisa	Autonomic dysfunction, glaucoma risk and severity prediction in diabetic patients

FISIO_05

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Dipartimento di Patologia Chirurgica, Medica, Molecolare e dell'Area Critica dell'Università di Pisa	Immune Microenvironment Characterization and Tumor Progression in Non-Small Cell Lung Cancer (NSCLC) Treated with Immune Checkpoint Inhibitors

FISIO_06

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Fondazione per la gestione dei lasciti e atti di liberalità per attività di supporto agli studenti e di ricerca dell'Università di Pisa	7 Tesla MRI imaging in musculoskeletal pathology

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;

2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution (Attachment of the PhD call for applications).

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. This choice is done it is irrevocable and cannot be modified at a later time

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**

or

an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, as outlined in **Attachment** of the PhD call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Interview
The interview which will be conducted entirely in English, will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
The candidate must illustrate the research project, uploaded during the online registration procedure, in order to demonstrate its coherence with the curricula active in the course.

Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, **must be uploaded during the online application process using the attached form**.
The maximum number of characters indicated in the form is to be understood as spaces included for research project. The bibliography is not included in the aforementioned characters.

	Minimum grade	Maximum grade
Curriculum	0	10
Interview	21	30
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 21 out of 40 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrolment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-mediche-farmaceutiche-e-veterinarie/fisiopatologia-clinica/

PhD Programme *curricula*:
Anatomo Pathological and Oncological;
Bio-Psychological and Statistical;
Cardiopolmonary;
Surgical, integrated surgical and anesthesiological

Website:
https://physpath.med.unipi.it/

PhD Programme regulations:
https://alboufficiale.unipi.it/wp-content/uploads/2019/09/dr-emanazione.pdf

Applicant Name	

RESEARCH PROJECT PROPOSAL
(Use plain typed text, in English)

Proposal title	

Area *Research program of the Doctorate which the project refers to*	

Summary of proposal *Brief summary of the research project, highlighting objectives and milestones (maximum 500 characters)*	

Current state of the art of the research field *(maximum 2.000 characters)*	

Research objectives and methods *detailed description of the research project, emphasizing innovative aspects and scientific relevance (maximum 4.000 characters)*	

Outline of work plan *methodology, time scales, milestones; duration should be no more than three years (maximum 2.500 characters)*	

UNIVERSITÀ DI PISA

PHD PROGRAMME IN GEOSCIENCES AND ENVIRONMENT
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Marco Pistolesi*

Department: Scienze della Terra
(https://www.unipi.it/didattica/corsi/dottorati/scienze-fisiche-chimiche-matematiche-e-biologiche/geoscienze-e-ambiente/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 5

GEO_01	**Outcome of the selection procedure:** **Single ranking list**
	PhD positions: No. 2 **of which**

No.	Financing institution	Research project / subject (optional)
PhD Grants		
2	University of Pisa Scientific referent prof. Marco Pistolesi (marco.pistolesi@unipi.it) Further information at the link: https://www.dst.unipi.it/bandi-concorso-geoscienze.html	

GEO_02	**Outcome of the selection procedure:** **Single ranking list for research project**
	PhD positions: No. 1 **of which**

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS) Scientific referent prof. Francesco Grigoli (francesco.grigoli@unipi.it) Further information at the link: https://www.dst.unipi.it/bandi-concorso-geoscienze.html	Advancing seismic source snalysis using Distributed Acoustic Sensing (DAS) and fiber optic technologies

GEO_03	**Outcome of the selection procedure:** **Single ranking list for research project**

	PhD positions: No. 1 of which	
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Dipartimento di Scienze della Terra dell'Università di Pisa su fondi: *The physical, cultural, and bio-genetic landscape of the last Neanderthals - LAST NEANDERTHALS - 579999_2024_LAST_NEANDERTHALS_UE_COLUMBU* - CUP I53C24001860006 UNIPI Scientific referent: dott. Andrea Columbu (andrea.columbu@unipi.it) Further information at the link: https://www.dst.unipi.it/bandi-concorso-geoscienze.html .	Climatic variability of the last ca. 150 thousand years in vthe circummediterranean area: a geochemical approach integrated with continental deposits

GEO_04	**Outcome of the selection procedure:** **Single ranking list for research project**

	PhD positions: No. 1 of which	
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Istituto di Geoscienze e Georisorse IGG-CNR Scientific referent: dott. Eugenio *Trumpy* (eugenio.trumpy@igg.cnr.it) Further information at the link: https://www.dst.unipi.it/bandi-concorso-geoscienze.html .	Geomatics – Enhancing digital infrastructure for Earth and Environmental Sciences

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution (Attachment of the PhD call for applications)
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS (*art 3 of the PhD competition call*)

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, as outlined in **Attachment** of the PhD call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum. The curriculum must be accompanied by the bachelor's degree thesis or, if the degree has been obtained, the master's/specialist degree thesis or the thesis from the previous university system**

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Candidates will have to demonstrate an adequate knowledge of the English language.
Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be evaluated along with the curriculum and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.

	Minimum grade	Maximum grade
Curriculum	24	40
Candidates who have obtained a score of at least 24 out of 40 points are admitted to the interview.		
Interview	36	60
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 60 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.dst.unipi.it/obiettivi-del-corso.html

Website:
https://www.dst.unipi.it/geoscienze-e-ambiente.html

PhD Programme regulations:
Currently being enacted

INDUSTRIAL PHD PROGRAMME IN HIGH PERFORMANCE SCIENTIFIC COMPUTING
ACADEMIC YEAR 2025/2026 (41ST CYCLE)
partnered with S.I.T. - Sordina IORT Technologies S.p.A.

Coordinator professor *Luca Heltai*

Department: Mathematics
(*https://unimap.unipi.it/organizzazione/ente.php?d=529999@DIP*)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

HPSC_01	**Outcome of the selection procedure:** Specific research topics with separate ranking lists: no. 3		
	PhD positions: No. 4 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Istituto per le Applicazioni del Calcolo "Mauro Picone" IAC CNR	Iterative Methods and Preconditioners for Efficient Solution of Sparse Linear Systems on Pre-Exascale and Exascale Computing Architectures
	1	Department of Information Engineering of the University of Pisa	Development and use of HPC software for the design and the analysis of electron devices based on advanced and innovative materials, using also AI/ML techniques
	2	S.I.T. – Sordina IORT *Technologies* S.p.A.	Computational Methods and Models for Flash Radiotherapy or for Radiobiological Investigations of the Flash Effect

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

<u>Please note</u>: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Interview
The interview will assess the candidate's knowledge and aptitude for research in the field of high-performance scientific computing, with reference to numerical methods, computational modeling, advanced programming techniques, and the use of HPC architectures. The candidate's motivation for developing and applying innovative solutions in interdisciplinary areas such as radiotherapy, electronic device design, and large-scale linear system analysis will also be evaluated, along with their willingness to engage in training and research activities in both national and international contexts. The interview will also include an assessment of the candidate's fundamental preparation and a discussion of the research experience and interests developed during their academic career.
Web conference ☒ YES **Interviews may only be taken in online mode**

	Minimum grade	Maximum grade
Curriculum	24	40
Candidates who have obtained a score of at least 24 out of 40 points are admitted to the interview.		
Interview	30	60
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 54 out of 100 points		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.dm.unipi.it/phd-hpsc/about/

Website:
https://www.dm.unipi.it/phd-hpsc/

PhD Programme regulations:
Pending issuance

UNIVERSITÀ DI PISA

PHD PROGRAMME IN COMPUTER SCIENCE
ACADEMIC YEAR **2025/2026 (41ST CYCLE)**
partnered with university of Florence and university of Siena

Coordinator professor *Antonio Brogi*

Department: Informatica
(https://di.unipi.it/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 15

INFO_01	**Outcome of the selection procedure:** Single ranking list
	PhD positions: No. 3 **of which**

No.	**Financing institution**	**Research project / subject** (optional)
PhD Grants		
1	University of Pisa	
1	University of Florence	
1	University of Siena	

INFO_02	**Outcome of the selection procedure:** Ranking list for grants with specific eligibility requirements, related to doctoral projects funded by external institutions (Art. 8, para. 2, letter d) of the University Regulations on doctoral programmes)
	PhD positions: No. 3 **of which**

No.	**Financing institution**	**Research project / subject** (optional)

	PhD Grants	
2	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a **study and research stay-abroad period of at least 6 (six) months**;	
1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a **study and research stay-abroad period of at least 12 (twelve) months** (for recipients of an "International grant");	

INFO_03	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
	PhD Grants	
1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a training / *research experience* **of at least 3 (three) months in an applied context** (e.g. company, public research institutions, or other non-university institution)	Artificial intelligence and machine learning for health

INFO_04	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
	PhD Grants	
1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a training / *research experience* **of at least 3 (three) months in an applied context** (e.g. company, public research institutions, or other non-university institution)	Development and management of IT systems and environmental sustainability

INFO_05	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1

No.	Financing institution	Research project / subject (optional)
	PhD Grants	

| | 1 | Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" ISTI CNR | Decentralized Learning at the Edge |

INFO_06

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" ISTI CNR	*Intelligent User Interfaces*

INFO_07

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Informatica of the University of Pisa and Department of di Ingegneria dell'Energia, dei Sistemi, del Territorio e delle Costruzioni of University of Pisa	Algorithms for the optimization of large-scale energy systems

INFO_08

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Consorzio METIS	Edge computing infrastructure design and smart building management tools

INFO_09

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Consorzio FABRE	AI techniques for defect recognition and predictive maintenance in transportation infrastructure

INFO_10

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	M.A.I.O.R. S.r.l.	Artificial intelligence for the optimization of public transportation systems

INFO_11	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" ISTI CNR	*Smart Dynamic Support for Parallel and Distributed Computing in the Continuum*

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

Further requirements
Beneficiaries of **"Pegaso" PhD grants** – academic year. 2025/26, funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, must also:
-    be no older than 35 years of age at the time of application for the PhD call (up to and including the day of their 35th birthday);
-    demonstrate an adequate knowledge of the English language (at least B2 level), which will be assessed by the examining board during the selection process. Candidates must present a valid B2 English level certificate (at least) prior to enrollment and acceptance of the Pegaso grant.
- declare their willingness to carry out a study and research stay abroad of at least 6 (six) months (12 (twelve) months for recipients of an international grant), and to acknowledge that failure to complete the mandatory mobility period may result in the revocation of the entire scholarship by the Tuscany Region. This declaration is not required for beneficiaries of topic-specific PhD grants for whom no international mobility was foreseen at the time of project submission;

- (only for recipients of PhD research project grants) formally declare their willingness to carry out a training/research experience of at least 3 (three) months in an applied context – such as companies, public research institutions, other public institutions (not universities) – and acknowledge that failure to carry out such experience may result in the revocation of the full scholarship by the Regione Toscana;
- declare their willingness to attend courses on soft skills development, knowledge of the labour market and research environment, and methodologies for data collection, analysis, and management (Data Science), as proposed by the implementing body over the three-year duration of the PhD programme.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
Candidates must also upload:
• their exam transcripts,
• • their MSc thesis (or some of its parts),
• • the list of publications,
• • other training and/or research experiences in Italy or abroad,
• • prizes or awards,
• • English language certificates
• Postgraduate diplomas obtained
During the online application process, candidates are required to specify 2 names and contacts (e-mail address and phone number) of professors and scholars of Computer Science, who are available to provide and upload references **by July, 18th 2025 23:59 (Italian time)**, following the instructions that will be sent to them directly by email.

Interview
Through the interview, the admission committee evaluates the candidates' analytical and synthesis skills, their ability to formalize problems, as well as their commitment and study capabilities. The committee verifies that candidates possess both a broad knowledge of computer science theories and applications, and an in-depth understanding of specific topics and methodologies within the field. It also assesses their proficiency in the English language (at a level equivalent to at least B2) and their willingness to spend periods of study or research abroad. Finally, the committee evaluates the scientific relevance of the candidates' research interests, the proposed research project to be carried out during the PhD program, and its consistency with the themes of the doctoral course.

Web conference SI

Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.
The description of the project must not exceed 4,000 characters (excluding spaces), and it must contain the following sections:
I. RESEARCH CONTEXT AND MAIN GOAL OF THE PROJECT
II. DETAILED DESCRIPTION OF THE PROJECT (foreseen methodology and activities to target the goal and their significance in terms of advancement of the state of the art)
III. IMPACT (potential scientific/technological/social/economic impact of the project)

	Minimum grade	Maximum grade
Curriculum	30	40
Candidates who have obtained a score of at least 30 out of 40 points are admitted to the interview.		
Interview	40	60
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 70 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/informatica/

Website:
https://dottorato.di.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/7dottinformatica.pdf

"PEGASO" GRANTS – EUROPEAN UNION AND REGIONAL PROVISIONS
Article 15 of the Regional Notice states regional notice states that public calls issued by the implementing body for admission to PhD programmes funded under the regional "Pegaso" scheme must include: the logos of the funding bodies (UE, Country, Region – Giovanisì) and PR FSE 2021/27 programme, as well as references to the relevant EU, national and regional legislation, as outlined below.

Disposizioni dell'Unione europea e regionali:
- Regolamento (UE, Euratom) n. 2093/2020 del Consiglio del 17 dicembre 2020 che stabilisce il quadro finanziario pluriennale per il periodo 2021-2027;
- Visto il Regolamento (UE) 2021/1057 del Parlamento europeo e del Consiglio, del 24 giugno 2021, che istituisce il Fondo sociale europeo Plus (FSE+) e che abroga il regolamento (UE) n. 1296/2013;
- Visto il Regolamento (UE) n. 2021/1060 del Parlamento europeo e del Consiglio del 24 giugno 2021, recante le disposizioni comuni applicabili al Fondo europeo di sviluppo regionale, al Fondo sociale europeo Plus, al Fondo di coesione, al Fondo per una transizione giusta, al Fondo europeo per gli affari marittimi, la pesca e l'acquacoltura, e le regole finanziarie applicabili a tali fondi e al Fondo Asilo, migrazione e integrazione, al Fondo Sicurezza interna e allo Strumento di sostegno finanziario per la gestione delle frontiere e la politica dei visti, in particolare l'articolo 23, paragrafo 4;
- Visto il Regolamento (UE) n. 679/2016 del Parlamento europeo e del Consiglio, del 27 aprile 2016, relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, nonché alla libera circolazione di tali dati e che abroga la direttiva 95/46/CE (regolamento generale sulla protezione dei dati);
- Vista la Decisione di esecuzione della Commissione C(2022)4787 finale del 15 luglio 2022 che approva l'Accordo di Partenariato con la Repubblica Italiana CCI 2021IT16FFPA001, relativo al ciclo di programmazione 2021-2027;
- Richiamata la Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia;
- Richiamata la DGR 1016 del 12/09/22 "Presa d'atto della Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia";
- Richiamata la DGR 122/2023 e ssmmii con la quale è stato approvato il Provvedimento attuativo del PR FSE + 2021/27;
- Visti i criteri di selezione delle operazioni da ammettere al cofinanziamento del Fondo Sociale Europeo Plus nella programmazione 2021-2027 della Regione Toscana approvati dal Comitato di sorveglianza del Programma il 18/11/2022;
- Vista la Decisione n. 2 del 19 giugno 2023 e ssmmii che approva il Sistema di Gestione e Controllo del PR FSE+ 2021/27;
- Vista la Deliberazione della Giunta Regionale n. 610 del 05/06/2023 che ai sensi dell'Articolo 17 comma 1, della LR 32/2002 ss.mm.ii., approva il "Regolamento (UE) 2021/1060 – PR FSE+ 2021-2027. Manuale per i beneficiari – Disposizioni per la gestione degli interventi oggetto di sovvenzioni a valere sul PR FSE+ 2021-2027;
- Visto il Programma Regionale di Sviluppo 2021-2025, adottato con Delibera di Giunta Regionale n.1392 del 07/12/2022;
- Visto l'articolo 64 del Regolamento (UE) 2021/1060 e dell'articolo 16 del regolamento (UE) 2021/1057 in materia di ammissibilità delle spese;

- Visto il DP.R. n. 22 del 5/02/2018 recante il "Regolamento sui criteri sull'ammissibilità delle spese per i programmi cofinanziati dai Fondi strutturali di investimento europei (SIE) per il periodo di programmazione 2014/2020" e s.m.i, a cui si fa riferimento nelle more dell'adozione della nuova norma nazionale in materia di ammissibilità delle spese per il periodo 2021-2027;
- Visti la Legge regionale 26 luglio 2002, n. 32 "Testo unico della normativa della Regione Toscana in materia di educazione, istruzione, orientamento, formazione professionale e lavoro." e ss.mm.ii. e il Decreto del Presidente della Giunta Regionale 8 agosto 2003, n. 47/R e ss.mm.ii., recante "Regolamento di esecuzione della L.R. 26.7.2002, n. 32";
- Visto il D.L. 30 aprile 2019, n. 34 (Misure urgenti di crescita economica e per la risoluzione di specifiche situazioni di crisi), convertito in L. n.58/2019, che prevede, per i soggetti di cui all'art. 35, specifici obblighi di pubblicazione delle informazioni relative a sovvenzioni, sussidi, vantaggi, contributi o aiuti, nei propri siti internet o analoghi portali digitali e nella nota integrativa al bilancio di esercizio e nell'eventuale consolidato;
- Vista la DGR 1321/2022 "Strategia regionale di specializzazione intelligente (S3) per il periodo di programmazione UE 2021/27;
- Vista la DGR 1510/2023 "Strategia di specializzazione intelligente 2021-2027. Piano di Lavoro 2024-25";
- Dato atto che nell'ambito del PR Toscana FSE+ 2021/27 e nel relativo PAD approvato con DGR 122/23 è ricompresa nell'Asse 2, l'attività 2.f.2. "Corsi di laurea e post laurea realizzati in rete";
- Richiamata la Delibera di Giunta Regionale n . 74 del 27 gennaio 2025 che approva gli elementi essenziali dell'avviso "PR FSE 2021/27 – Corsi di dottorato realizzati in rete ciclo XLI – Borse Pegaso 2025" destinando euro 6.000.000,00 alla sua attuazione.
- Dato atto che il contributo è soggetto a monitoraggio di spesa e rendicontazione da effettuare secondo le modalità e le scadenze del PR FSE 2021/27;
- Dato atto della somma assegnata alla Regione Toscana come da PR FSE 2021/27, approvato con Decisione della Commissione C(2022) n. 6089 del 19/08/2022, e da Piano attuativo di dettaglio (PAD) del PR FSE 2021/27 adottato con delibera della Giunta n. 122/2023, il relativo accertamento di entrata sarà assunto sulla base di estrazioni periodiche e comunicazione ai singoli settori competenti sul bilancio finanziario gestionale 2025/27;
- Vista la Deliberazione della Giunta Regionale n.1 del 08/01/2025 con cui viene approvato il Documento Tecnico di Accompagnamento al Bilancio di Previsione 2025-2027 e del Bilancio Finanziario Gestionale 2025-2027.
- Dato atto che l'intervento è stato inserito nel cronoprogramma degli interventi da realizzare con il PR FSE 2021/27 nel 2025.

UNIVERSITÀ DI PISA

PHD PROGRAMME IN COMPUTER SCIENCE
ACADEMIC YEAR 2025/2026 (41ST CYCLE)
partnered with university of Florence and university of Siena

Coordinator professor *Antonio Brogi*

Department: Informatica
(https://di.unipi.it/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 15

INFO_01	**Outcome of the selection procedure:** Single ranking list
	PhD positions: No. 3 **of which**

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Pisa	
1	University of Florence	
1	University of Siena	

INFO_02	**Outcome of the selection procedure:** Ranking list for grants with specific eligibility requirements, related to doctoral projects funded by external institutions (Art. 8, para. 2, letter d) of the University Regulations on doctoral programmes)
	PhD positions: No. 3 **of which**

No.	Financing institution	Research project / subject (optional)

		PhD Grants	
	2	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a **study and research stay-abroad period of at least 6 (six) months**;	
	1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a **study and research stay-abroad period of at least 12 (twelve) months** (for recipients of an "International grant");	

INFO_03	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
	PhD Grants	
1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a training / *research experience* **of at least 3 (three) months in an applied context** (e.g. company, public research institutions, or other non-university institution)	Artificial intelligence and machine learning for health

INFO_04	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
	PhD Grants	
1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000070006) - require a training / *research experience* **of at least 3 (three) months in an applied context** (e.g. company, public research institutions, or other non-university institution)	Development and management of IT systems and environmental sustainability

INFO_05	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1

No.	Financing institution	Research project / subject (optional)
	PhD Grants	

	1	Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" ISTI CNR	Decentralized Learning at the Edge

INFO_06

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" ISTI CNR	*Intelligent User Interfaces*

INFO_07

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Informatica of the University of Pisa and Department of di Ingegneria dell'Energia, dei Sistemi, del Territorio e delle Costruzioni of University of Pisa	Algorithms for the optimization of large-scale energy systems

INFO_08

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Consorzio METIS	Edge computing infrastructure design and smart building management tools

INFO_09

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Consorzio FABRE	AI techniques for defect recognition and predictive maintenance in transportation infrastructure

INFO_10

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	M.A.I.O.R. S.r.l.	Artificial intelligence for the optimization of public transportation systems

INFO_11	**Outcome of the selection procedure:** Single ranking list for research project
	PhD positions: No. 1 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" ISTI CNR	*Smart Dynamic Support for Parallel and Distributed Computing in the Continuum*

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:

1. apply as a public employee, thereby automatically renouncing the PhD grant;

2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**

or

an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.

If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

Further requirements

Beneficiaries of **"Pegaso" PhD grants** – academic year. 2025/26, funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, must also:

- be no older than 35 years of age at the time of application for the PhD call (up to and including the day of their 35th birthday);

- demonstrate an adequate knowledge of the English language (at least B2 level), which will be assessed by the examining board during the selection process. Candidates must present a valid B2 English level certificate (at least) prior to enrollment and acceptance of the Pegaso grant.

- declare their willingness to carry out a study and research stay abroad of at least 6 (six) months (12 (twelve) months for recipients of an international grant), and to acknowledge that failure to complete the mandatory mobility period may result in the revocation of the entire scholarship by the Tuscany Region. This declaration is not required for beneficiaries of topic-specific PhD grants for whom no international mobility was foreseen at the time of project submission;

- (only for recipients of PhD research project grants) formally declare their willingness to carry out a training/research experience of at least 3 (three) months in an applied context – such as companies, public research institutions, other public institutions (not universities) – and acknowledge that failure to carry out such experience may result in the revocation of the full scholarship by the Regione Toscana;
- declare their willingness to attend courses on soft skills development, knowledge of the labour market and research environment, and methodologies for data collection, analysis, and management (Data Science), as proposed by the implementing body over the three-year duration of the PhD programme.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
Candidates must also upload:
- their exam transcripts,
- • their MSc thesis (or some of its parts),
- • the list of publications,
- • other training and/or research experiences in Italy or abroad,
- • prizes or awards,
- • English language certificates
- • Postgraduate diplomas obtained

During the online application process, candidates are required to specify 2 names and contacts (e-mail address and phone number) of professors and scholars of Computer Science, who are available to provide and upload references **by July, 18th 2025 23:59 (Italian time)**, following the instructions that will be sent to them directly by email.

Interview
Through the interview, the admission committee evaluates the candidates' analytical and synthesis skills, their ability to formalize problems, as well as their commitment and study capabilities. The committee verifies that candidates possess both a broad knowledge of computer science theories and applications, and an in-depth understanding of specific topics and methodologies within the field. It also assesses their proficiency in the English language (at a level equivalent to at least B2) and their willingness to spend periods of study or research abroad. Finally, the committee evaluates the scientific relevance of the candidates' research interests, the proposed research project to be carried out during the PhD program, and its consistency with the themes of the doctoral course.

Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.

	Minimum grade	Maximum grade
Curriculum	30	40
Candidates who have obtained a score of at least 30 out of 40 points are admitted to the interview.		
Interview	40	60
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 70 out of 100 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:

- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/informatica/

Website:
https://dottorato.di.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/7dottinformatica.pdf

"PEGASO" GRANTS – EUROPEAN UNION AND REGIONAL PROVISIONS

Article 15 of the Regional Notice states regional notice states that public calls issued by the implementing body for admission to PhD programmes funded under the regional "Pegaso" scheme must include: the logos of the funding bodies (UE, Country, Region – Giovanisì) and PR FSE 2021/27 programme, as well as references to the relevant EU, national and regional legislation, as outlined below.

Disposizioni dell'Unione europea e regionali:
- Regolamento (UE, Euratom) n. 2093/2020 del Consiglio del 17 dicembre 2020 che stabilisce il quadro finanziario pluriennale per il periodo 2021-2027;
- Visto il Regolamento (UE) 2021/1057 del Parlamento europeo e del Consiglio, del 24 giugno 2021, che istituisce il Fondo sociale europeo Plus (FSE+) e che abroga il regolamento (UE) n. 1296/2013;
- Visto il Regolamento (UE) n. 2021/1060 del Parlamento europeo e del Consiglio del 24 giugno 2021, recante le disposizioni comuni applicabili al Fondo europeo di sviluppo regionale, al Fondo sociale europeo Plus, al Fondo di coesione, al Fondo per una transizione giusta, al Fondo europeo per gli affari marittimi, la pesca e l'acquacoltura, e le regole finanziarie applicabili a tali fondi e al Fondo Asilo, migrazione e integrazione, al Fondo Sicurezza interna e allo Strumento di sostegno finanziario per la gestione delle frontiere e la politica dei visti, in particolare l'articolo 23, paragrafo 4;
- Visto il Regolamento (UE) n. 679/2016 del Parlamento europeo e del Consiglio, del 27 aprile 2016, relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, nonché alla libera circolazione di tali dati e che abroga la direttiva 95/46/CE (regolamento generale sulla protezione dei dati);
- Vista la Decisione di esecuzione della Commissione C(2022)4787 finale del 15 luglio 2022 che approva l'Accordo di Partenariato con la Repubblica Italiana CCI 2021IT16FFPA001, relativo al ciclo di programmazione 2021-2027;
- Richiamata la Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia;
- Richiamata la DGR 1016 del 12/09/22 "Presa d'atto della Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia";
- Richiamata la DGR 122/2023 e ssmmii con la quale è stato approvato il Provvedimento attuativo del PR FSE + 2021/27;
- Visti i criteri di selezione delle operazioni da ammettere al cofinanziamento del Fondo Sociale Europeo Plus nella programmazione 2021-2027 della Regione Toscana approvati dal Comitato di sorveglianza del Programma il 18/11/2022;
- Vista la Decisione n. 2 del 19 giugno 2023 e ssmmii che approva il Sistema di Gestione e Controllo del PR FSE+ 2021/27;
- Vista la Deliberazione della Giunta Regionale n. 610 del 05/06/2023 che ai sensi dell'Articolo 17 comma 1, della LR 32/2002 ss.mm.ii., approva il "Regolamento (UE) 2021/1060 – PR FSE+ 2021-2027. Manuale per i beneficiari – Disposizioni per la gestione degli interventi oggetto di sovvenzioni a valere sul PR FSE+ 2021-2027;
- Visto il Programma Regionale di Sviluppo 2021-2025, adottato con Delibera di Giunta Regionale n.1392 del 07/12/2022;
- Visto l'articolo 64 del Regolamento (UE) 2021/1060 e dell'articolo 16 del regolamento (UE) 2021/1057 in materia di ammissibilità delle spese;
- Visto il DP.R. n. 22 del 5/02/2018 recante il "Regolamento sui criteri sull'ammissibilità delle spese per i programmi cofinanziati dai Fondi strutturali di investimento europei (SIE) per il periodo di programmazione 2014/2020" e s.m.i, a cui si fa riferimento nelle more dell'adozione della nuova norma nazionale in materia di ammissibilità delle spese per il periodo 2021-2027;

- Visti la Legge regionale 26 luglio 2002, n. 32 "Testo unico della normativa della Regione Toscana in materia di educazione, istruzione, orientamento, formazione professionale e lavoro." e ss.mm.ii. e il Decreto del Presidente della Giunta Regionale 8 agosto 2003, n. 47/R e ss.mm.ii., recante "Regolamento di esecuzione della L.R. 26.7.2002, n. 32";
- Visto il D.L. 30 aprile 2019, n. 34 (Misure urgenti di crescita economica e per la risoluzione di specifiche situazioni di crisi), convertito in L. n.58/2019, che prevede, per i soggetti di cui all'art. 35, specifici obblighi di pubblicazione delle informazioni relative a sovvenzioni, sussidi, vantaggi, contributi o aiuti, nei propri siti internet o analoghi portali digitali e nella nota integrativa al bilancio di esercizio e nell'eventuale consolidato;
- Vista la DGR 1321/2022 "Strategia regionale di specializzazione intelligente (S3) per il periodo di programmazione UE 2021/27;
- Vista la DGR 1510/2023 "Strategia di specializzazione intelligente 2021-2027. Piano di Lavoro 2024-25";
- Dato atto che nell'ambito del PR Toscana FSE+ 2021/27 e nel relativo PAD approvato con DGR 122/23 è ricompresa nell'Asse 2, l'attività 2.f.2. "Corsi di laurea e post laurea realizzati in rete";
- Richiamata la Delibera di Giunta Regionale n . 74 del 27 gennaio 2025 che approva gli elementi essenziali dell'avviso "PR FSE 2021/27 – Corsi di dottorato realizzati in rete ciclo XLI – Borse Pegaso 2025" destinando euro 6.000.000,00 alla sua attuazione.
- Dato atto che il contributo è soggetto a monitoraggio di spesa e rendicontazione da effettuare secondo le modalità e le scadenze del PR FSE 2021/27;
- Dato atto della somma assegnata alla Regione Toscana come da PR FSE 2021/27, approvato con Decisione della Commissione C(2022) n. 6089 del 19/08/2022, e da Piano attuativo di dettaglio (PAD) del PR FSE 2021/27 adottato con delibera della Giunta n. 122/2023, il relativo accertamento di entrata sarà assunto sulla base di estrazioni periodiche e comunicazione ai singoli settori competenti sul bilancio finanziario gestionale 2025/27;
- Vista la Deliberazione della Giunta Regionale n.1 del 08/01/2025 con cui viene approvato il Documento Tecnico di Accompagnamento al Bilancio di Previsione 2025-2027 e del Bilancio Finanziario Gestionale 2025-2027.
- Dato atto che l'intervento è stato inserito nel cronoprogramma degli interventi da realizzare con il PR FSE 2021/27 nel 2025.

PHD PROGRAMME IN ENERGY, SYSTEMS, TERRITORY AND CONSTRUCTION ENGINEERING
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Lorenzo Ferrari*

Department: Ingegneria dell'Energia, dei Sistemi, del Territorio e delle Costruzioni
(https://unimap.unipi.it/organizzazione/ente.php?d=509999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 3			
ING_ENE_01	**Outcome of the selection procedure:** Single ranking list		
	PhD positions: No. 2 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	2	University of Pisa	
ING_ENE_02	**Outcome of the selection procedure: 1** Single ranking list for research project		
	PhD positions: No. 1 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
		Department of Ingegneria Civile e Industriale of the University of Pisa	*Design of an innovative power generation cycle for a bimodal nuclear propulsion system using NH3 as working fluid*
	N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether: 1. apply as a public employee, thereby automatically renouncing the PhD grant; 2. apply for a position with PhD grant, without declaring their status as public employee during the online application process; In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform		

https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
Specifically, the candidate will have to upload the following:
a) curriculum vitae;
b) any publications;
c) the master's degree thesis or, for candidates who have not yet obtained the degree, a draft of it;
d) a list of the exams taken during the university career with the relative marks and the degree marks obtained for the Bachelor's degree and for the Master's degree;
e) any certificates of participation in conferences;
f) any scholarships or research scholarships obtained.

Written examination
The written test will be aimed at assessing the academic prerequisites and consists in a written composition regarding specific course-related topics. For the drafts, the Examination Board will verify that themes from all the cultural areas in which the course is divided are taken into account. The test may be taken in either Italian or English, at the candidate's choice.

Interview
The interview will assess candidates' knowledge, as stated in their curriculum and emerged during the written examination, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry. During the interview, the Examining Board can require candidates to illustrate research themes they wish to develop during the course.

Web conference YES
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

	Minimum grade	Maximum grade
Curriculum	18	30
Candidates who have obtained a score of at least 18 out of 30 points are admitted to the written test.		
Written examination	18	30
Candidates who have obtained a score of at least 18 out of 30 points are admitted to the interview.		
Interview	18	30
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 54 out of 90 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/ingegneria-dellenergiadei-sistemidel-territorio-e-delle-costruzioni/

Website:
https://destec.unipi.it/en/taxonomy/term/61

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/dottingenergia.pdf

UNIVERSITÀ DI PISA

PHD PROGRAMME IN INDUSTRIAL ENGINEERING
ACADEMIC YEAR **2025/2026 (41ST CYCLE)**
Coordinator professor *Francesca Di Puccio*

Department: Ingegneria Civile e Industriale
(https://unimap.unipi.it/organizzazione/ente.php?d=499999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 10

ING_IND_01	**Outcome of the selection procedure:** **Single ranking list**		
	PhD positions: No. 1 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	University of Pisa	
ING_IND_02	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Characterization and modeling under low-cycle fatigue and creep conditions of materials for turbine components enabling the use of renewable energy sources.*
ING_IND_03	**Outcome of the selection procedure:** Specific research topics with separate ranking lists: no. 4		
	PhD positions: No. 1 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		

1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Development of Catalytic Beds for Ammonia Decomposition inside a Bimodal Nuclear Propulsion System*
1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Development of an Ammonia-based Bimodal Nuclear Propulsion System*
1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Conceptual Design of a Nuclear Reactor for an Ammonia-based Bimodal Nuclear Propulsion System*
1	Scuola Superiore Sant'Anna	*Air-breathing Rocket for Innovative Applications*

ING_IND_04	**Outcome of the selection procedure:** Specific research topics with separate ranking lists: no. 2

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Research activity on multi-physics phenomena in support of the design and the safety analysis of thermohydraulic systems for nuclear fusion reactors*
1	*NewCleo SpA*	*Thermal Hydraulic Analyses in Support of the Development of Small Modular Reactors Cooled by Liquid Lead*

ING_IND_05	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Research activity on the design and application of Higee technologies and processes for intensified separations*

ING_IND_06	**Outcome of the selection procedure:** Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Platform architecture and systems engineering for a microsatellite mission.*

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, <u>can choose whether</u>:
1. <u>apply as a public employee, thereby automatically renouncing the PhD grant;</u>
2. <u>apply for a position with PhD grant, without declaring their status as public employee during the online application process;</u>
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform

https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, underline during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications..

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
It is recommended to include in the curriculum any qualifications that may be useful for the evaluation of the curriculum itself, e.g.
a) Any publication;
b) A list of the exams taken during the university career with the respective grades and the final grades obtained for the bachelor's and master's degrees;
c) Any certificates of participation in conferences;
d) Any scholarships or research grants obtained.

Written examination
The written test it aims to verify the cultural prerequisites of the candidate and can be conducted in Italian or English
The written test will be aimed at assessing the academic prerequisites. The test may be taken in either Italian or English, at the candidate's choice within four hours.
The candidate can choose from various prompts provided by the Commission, which require the illustration of specific curriculum topics or the completion of a paper on a potential research project.

Interview
The interview will assess candidates' knowledge, as stated in their curriculum and emerged during the written examination, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.

Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

	Minimum grade	Maximum grade
Curriculum	18	*30*
Candidates who have obtained a score of at least 18 out of 30 points are admitted to the written test.		
Written examination	18	*30*

Candidates who have obtained a score of at least 18 out of 30 points are admitted to the interview.		
Interview	18	*30*
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 54 out of 90 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/ingegneria-industriale/

PhD Programme curricula:
1. *Aerospace Engineering;*
2. *Chemical Engineering and Materials*
3. *Mechanical Engineering*
4. *Engineering of Vehicles and Transport Systems*
5. *Nuclear Engineering and Industrial Safety*

Website:
http://phd-industriale.dici.unipi.it/en/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/regdotingind.pdf

UNIVERSITÀ DI PISA

PHD PROGRAMME IN INFORMATION ENGINEERING
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor Fulvio Gini

Department: Ingegneria dell'Informazione
(https://unimap.unipi.it/organizzazione/ente.php?d=519999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions available No. 34

of which:
PhD positions with grant No. 22
PhD positions reserved to employees No. 4
PhD positions reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca") No. 8

ING_INFO_01	**Outcome of the selection procedure:** **Single ranking list**		
	PhD positions: No. 3 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	2	University of Pisa	
	1	Department of Ingegneria dell'Informazione of the University of Pisa, Department of Excellence 2023/2027	*Enabling Technologies for Industry 5.0*
ING_INFO_02	**Outcome of the selection procedure:** Single ranking list for research project "*Development of Innovative Biomedical Technologies for Tissue Regeneration*"		
	PhD positions: No. 2 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		

	1	Center Piaggio (Progetto Luminate)	*Development of Innovative Biomedical Technologies for Intestinal Tissue Regeneration*
	1	Center Piaggio (Progetto *Tentacle*)	*Development of Innovative Biomedical Technologies for Joint Tissue Regeneration*

ING_INFO_03	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Department of Ingegneria dell'Informazione of the University of Pisa	*Design and fabrication of cell culture substrates for investigating and modelling cell migration as a function of microenvironment space-time warping*

ING_INFO_04	**Outcome of the selection procedure:** *Information Technology* Single ranking list for research project		
	PhD positions: No. 3 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	*Institute of information science and technologies* "Alessandro Faedo" (CNR-ISTI)	*A System for Open-Science-oriented, collaborative deep learning model training*
	2	*Institute of information science and technologies* "Alessandro Faedo" (CNR-ISTI)	*Intent-based Networking in AI-Enforced 6G Infrastructures*

ING_INFO_05	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 3 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Institute of Informatics and TelematicsCNR-IIT	*Network Orchestration for Metaverse Applications in 6G Networks*
	1	Institute of Informatics and TelematicsCNR-IIT	*Fast and Reliable Stateful Faas at the Edge*
	1	Institute of Informatics and Telematics CNR-IIT	*Enabling Quantum Networked Applications*

ING_INFO_06	**Outcome of the selection procedure:** Ranking reserved to employees of *National Inter-University Consortium for Telecommunications* CNIT (legal head office Parma)		
	PhD positions: No. 1 of which		
	No.	**Financing institution**	**Research project / subject** (optional)

	Positions reserved for candidates holding a formal employment contract, with a duration at least equal to that of the PhD programme, with a private or public institution in agreement with the University of Pisa (salary maintained) – art. 3 of the PhD competition call

	No.	Financing institution	Research project / subject
	1	*National Inter-University Consortium for Telecommunications* CNIT	*Multi-platform/Multi-function radar*

ING_INFO_07

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Methodologies for Large-Scale Management of Virtual Network Functions within the Cloud-Edge Compute Continuum*

ING_INFO_08

Outcome of the selection procedure: Physical Electronics
Single ranking list for research project

PhD positions: No. 3
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Silicon Physical Unclonable Functions for cybersecurity applications*
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Power converters based on wide bandgap semiconductors*
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Design of innovative devices based on two-dimensional materials for neuromorphic applications*

ING_INFO_09

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto Nazionale per l'Assicurazione contro gli Infortuni sul Lavoro INAIL	*Intelligent systems for monitoring and managing equipment to improve safety in different operating scenarios*

ING_INFO_10

Outcome of the selection procedure:
Ranking reserved to employees of *LogObject* AG (legal head office *Opfikon* - Svizzera)

PhD positions: No. 2
of which

No.	Financing institution	Research project / subject (optional)
Positions reserved for candidates holding a formal employment contract, with a duration at least equal to that of the PhD programme, with a private or public institution in agreement with the University of Pisa (salary maintained) – art. 3 of the PhD competition call		

	1	*LogObject* AG	*Retrieval-Augmented Generation Solutions for Supporting Decision-Making in Logistics*
	1	*LogObject* AG	*AI-Based Decision Support Systems for Emergency Management Operations*

ING_INFO_11	**Outcome of the selection procedure:** Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call		
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Study of Innovative Techniques Based on AI and IoT for the Management of Patients with Chronic Diseases*

ING_INFO_12	**Outcome of the selection procedure:** Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call		
1	Department of Ingegneria dell'Informazione of the University of Pisa	*High-Performance and Memory-Safe I/O*

ING_INFO_13	**Outcome of the selection procedure:** Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call		
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Autonomous Inspection of Submerged Infrastructures Using Underwater Robots Equipped with Sonar and Cameras*

ING_INFO_14	**Outcome of the selection procedure:** Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")

PhD positions: No. 1

	of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call		
	1	Department of Ingegneria dell'Informazione of the University of Pisa	*Innovative Solutions for Endoscope Tracking and Volumetric Image Registration for the Implementation of Augmented Reality Surgical Guidance Systems*

ING_INFO_15	**Outcome of the selection procedure:** Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")
	PhD positions: No. 1 of which

	No.	**Financing institution**	**Research project / subject** (optional)
	Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call		
	1	Department of Ingegneria dell'Informazione of the University of Pisa	*Biodegradable Multi-Analyte Sensors for Monitoring Physiological and Pathological Markers in Advanced Biological Systems*

ING_INFO_16	**Outcome of the selection procedure:** Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")
	PhD positions: No. 1 of which

	No.	**Financing institution**	**Research project / subject** (optional)
	Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call		
	1	Department of Ingegneria dell'Informazione of the University of Pisa	*Analysis and design of advanced security techniques in RISC-V-based dependable systems*

ING_INFO_17	**Outcome of the selection procedure:** Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")
	PhD positions: No. 1 of which

	No.	**Financing institution**	**Research project / subject** (optional)

	Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call	
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Analysis and Design of Electronic Systems for Predictive Diagnostics*

ING_INFO_18

Outcome of the selection procedure:
Ranking reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca")

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call		
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Analysis and design of security and safety features in resource-constrained, RISC-V-based dependable systems*

ING_INFO_19

Outcome of the selection procedure
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Fondazione Bruno Kessler FBK	*Enabling trustworthiness in AI for precision agriculture*

ING_INFO_20

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Department of Ingegneria dell'Informazione of the University of Pisa	*Design and Development of Electronically Reconfigurable Electromagnetic Metasurfaces for the Physical Protection of Security Systems Against Cyber Attacks*

ING_INFO_21

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		

	1	Department of Ingegneria dell'Informazione of the University of Pisa and *Zürcher Hochschule für Angewandte Wissenschaften* (ZHAW)	*Design and Development of Electronically Reconfigurable Electromagnetic Metasurfaces for the Physical Protection of Security Systems Against Cyber Attacks*

Further requirements CONCORSO ING_INFO_21

During their time at ZHAW, PhD students will maintain their status as PhD students of the University of Pisa and will continue to receive funding from the University of Pisa through their grant. Additionally, they will receive from the University of Pisa a monthly increase of €834.89 for the first 12 months spent abroad (in total €10.018,68 representing 50% of the gross administrative amount of the grant) as provided by Article 9, paragraph 3 of Ministerial Decree 226/2021. PhD students will be partially employed by ZHAW and therefore will also receive at least CHF 2.000 for each month of their actual stay at ZHAW directly from ZHAW, to contribute to the costs associated with the stay.

ING_INFO_22

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Fincantieri S.p.A:	*Model based development of multistatic SONAR systems*

ING_INFO_23

Outcome of the selection procedure:
Ranking reserved to employees of *Huawei Technologies Duesseldorf GmbH* (legal head office *Duesseldorf*)

PhD positions: No. 2
of which

No.	Financing institution	Research project / subject (optional)
Positions reserved for candidates holding a formal employment contract, with a duration at least equal to that of the PhD programme, with a private or public institution in agreement with the University of Pisa (salary maintained) – art. 3 of the PhD competition call		
1	*Huawei Technologies co. Ltd. Duesseldorf GmbH*	*Beamforming with Closely Spaced Antenna Arrays for Satellite Terminals*

ING_INFO_24

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	NATO *Science and Technology Organization, Centre for Maritime Research and Experimentation* (CMRE)	*Quantum Navigation in Maritime Environments*

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The following competitions are exempted from such provision: ING_INFO06 ING_INFO10 ING_INFO11 ING_INFO12 ING_INFO13 ING_INFO14 ING_INFO15 ING_INFO16 ING_INFO17 ING_INFO18 ING_INFO23

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded by 31 October 2025: ALL
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
The interview aims to verify the candidate's potential to integrate positively into the research activities of interest to the Doctorate

Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be evaluated along with the *curriculum*
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.
The research project must briefly describe (no more than 5 pages of text and figures) the general idea, methodology, development phases, and expected results of a research project in the field of Information Engineering that the candidate intends to develop as part of the Doctoral course.

	Minimum grade	Maximum grade
Curriculum	30	50
Candidates who have obtained a score of at least 30 out of 50 points are admitted to the written test.		
Interview	30	50
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 60 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/ingegneria-dellinformazione/

PhD Programme curricula:
1. *General*
2. *Industry 4.0*

Website:
https://phd.dii.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/regdotinginf.pdf

PHD PROGRAMME IN MATHEMATICS
ACADEMIC YEAR **2025/2026 (41ST CYCLE)**

Coordinator professor *Roberto Frigerio*

Department: Mathematics
(https://unimap.unipi.it/organizzazione/ente.php?d=529999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 5

MATE_01	**Outcome of the selection procedure:** Single ranking list
	PhD positions: No. 3 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
2	University of Pisa	
1	Department of Mathematics of the University of Pisa, Department of Excellence 2023/2027	

MATE_02	**Outcome of the selection procedure:** Single ranking list for research project
	PhD positions: No. 2

No.	Financing institution	Research project / subject (optional)
PhD Grants		
2	Department of Mathematics of the University of Pisa	Theory of compensation in geometric and variational problems

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum**, in particular:
a) *curriculum vitae*;
b) Master's degree thesis or, if that is not finished yet, an abstract;
c) diploma supplement including a list of exams taken during the entire academic career, with related exam marks and final grade for both Bachelor's and Master's degree (if already earned);
d) a copy of publications made (if any).
Only for MATE_01: in their CV, candidates should include a short paragraph (maximum 1 page) where they describe the reasons why they chose to apply for a position in the PhD programme in Mathematics at the University of Pisa.
Only for MATE_02: candidates are required to submit a concise paragraph (maximum one page) outlining the reasons for their application to the PhD programme with title "Theory of compensation in geometric and variational problems", under the direction of Prof. Arroyo Rabasa at the Department of Mathematics of the University of Pisa.
With reference to both selections MATE_01 e MATE_02, **during the online application process**, candidates are required to specify at least 2 names and contacts (e-mail address and phone number) of professors and scholars of Mathematics, who are available to provide and upload references **by July, 18th 2025 23:59 (Italian time)**, following the instructions that will be sent to them directly by email.

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry. The interview will also assess the basic grounding in mathematics, as well as the research interests developed by the candidates during their studies.
Moreover, only for MATE_02: the interview process is structured to assess candidates' research attitudes and interest in developing research within the scope of the project mentioned, which includes:
- Calculus of Variations (Young measures, PDE restrictions, BV functions)
- Geometric Measure Theory (structure of currents and varifolds)
- Partial Differential Equations (compensated compactness, functional inequalities)

Web conference YES

Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

	Minimum grade	Maximum grade
Curriculum	24	40
Candidates who have obtained a score of at least 24 out of 40 points are admitted to the interview.		
Interview	30	60
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 54 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-fisiche-chimiche-matematiche-e-biologiche/matematica/

Website:
https://www.dm.unipi.it/phd/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/rdomate.pdf

PHD PROGRAMME IN SCIENCE OF DRUG AND BIOACTIVE SUBSTANCES
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Tiziano Tuccinardi*

Department: Pharmacy
(https://unimap.unipi.it/organizzazione/ente.php?d=449999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 4

SA_FARMA_01	**Outcome of the selection procedure:** Single ranking list	
	PhD positions: No. 2	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	2 / University of Pisa	

SA_FARMA_02	**Outcome of the selection procedure:** Single ranking list for research project	
	PhD positions: No. 1	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	1 / *In Virtuo Laboratories* SAGL	Targeting Nuclear Receptors for Therapeutic Modulation in Neurodegeneration and Cancer

SA_FARMA_03	**Outcome of the selection procedure:** Single ranking list for research project	
	PhD positions: No. 1	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	1 / Centro di Riferimento Oncologico IRCCS, Aviano	Translational Oncology and Precision Medicine

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry. Candidates must also demonstrate the ability to use spoken and written English. This check will be carried out during the interview.
Web conference YES
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be evaluated along with the curriculum and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be produced via upload **when registering online for the competition** using the form attached.
The project, which does not constitute a constraint on the carrying out of future research activity, must be relevant to the following research areas: design and development of drugs and bioactive substances, chemistry of drugs and bioactive substances, biotesting of drugs and bioactive substances , technology of drugs and bioactive substances, separation of bioactive products from natural sources, analysis of "evidence-based medicine" for the control and management of regional health spending to increase the effectiveness of the actions of public administrations. The bibliography must also be indicated in the form and will be included in the required character count.

	Minimum grade	Maximum grade
Curriculum	70	100
Candidates who have obtained a score of at least 70 out of 100 points are admitted to the interview.		
Interview	70	100
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 140 out of 200 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-mediche-farmaceutiche-e-veterinarie/scienza-del-farmaco-e-delle-sostanze-bioattive/

Website:
https://sfsb.farm.unipi.it/

PhD Programme regulations:
Pending issuance

Applicant Name	

RESEARCH PROJECT PROPOSAL
(Use plain typed text, in English)

Proposal title	

Area *Research program of the Doctorate which the project refers to*	

Summary of proposal *Brief summary of the research project, highlighting objectives and milestones (maximum 500 characters)*	

Current state of the art of the research field *(maximum 2.000 characters)*	

Research objectives and methods *detailed description of the research project, emphasizing innovative aspects and scientific relevance (maximum 4.000 characters)*	

Outline of work plan *methodology, time scales, milestones; duration should be no more than three years (maximum 2.500 characters)*	

UNIVERSITÀ DI PISA

PHD PROGRAMME IN AGRICULTURE, FOOD AND ENVIRONMENT
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Andrea Cavalllini*

Department: Scienze agrarie, alimentari e agro-ambientali
(https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-scienze-agrarie-alimentari-e-agro-ambientali-569999/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions available No. 5

of which:
PhD positions with grant No. 4
PhD positions reserved for research fellowship holders (Italian "borsa di ricerca"), in accordance with the regulations of the University of Pisa, or for research grant holders (Italian "assegno di ricerca") No. 1

SC_AGR_01	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	Posti con borsa		
	1	University of Pisa Department of Scienze agrarie, alimentari e agro-ambientali of the University of Pisa	Early detection of disease and sustainable crop and wild plant protection strategies"

SC_AGR_02	**Outcome of the selection procedure:** **Single ranking list for research project**		
	PhD positions: No. 1 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	Posti con borsa		

	1	Università di Pisa Department of Scienze agrarie, alimentari e agro-ambientali of the University of Pisa Università di Pisa, funded thorough PROGETTO FIS-2023-02552 "How new genes emerge: exploring a model of novel gene creation following the evolution of wheat"- CUP I53C24003120001 (acronimo U-GOV – 569999_2025_MASCAGNI_NEXT-G_FIS2_I)	Role of transposon exaptation in creating new genes during wheat domestication

SC_AGR_03

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
Posti con borsa		
1	University of Pisa Centro di Ricerche Agro-ambientali "E. Avanzi" of the University of Pisa	Innovative agronomic practices codesigned through a living-lab based approach

SC_AGR_04

Outcome of the selection procedure:
Single ranking list for research project

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
Posti con borsa		
1	Department of Scienze agrarie, alimentari e agro-ambientali of the University of Pisa	The True Cost of Food: supporting agri-food systems transition towards sustainable agribusiness models designed to generate income, create values, and incorporate the positive and negative externalities of agri-food production systems

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

SC_AGR_05	**Outcome of the selection procedure:**
	Positions reserved for holders of research grant (Italian "borsa di ricerca") awarded by the University of Pisa or research grant holders (Italian "assegno di ricerca") - art. 3 of the PhD competition call

PhD positions: No. 1
of which

No.	Financing institution	Research project / subject (optional)
Posti con borsa		
1	Department of Scienze agrarie, alimentari e agro-ambientali	Calibration and validation of an expert system based on smart materials for monitoring the water consumption of tree crops

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**: **ALL**

or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
In particular, the candidate must upload:
a) the curriculum vitae;
b) any publications;
c) an abstract of the master's degree thesis or, for candidates who have not yet obtained the degree, a preliminary summary of the same;
d) a list of the exams taken during the university career with the relative marks and the graduation mark obtained (for the three-year degree and for the master's degree);
e) certificates of participation in conferences;
f) scholarships or research grants obtained.

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
The interview must provide for the assessment of knowledge of the English language.

Web conference SI

Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

	Minimum grade	Maximum grade
Curriculum	15	50
Candidates who have obtained a score of at least 15 out of 50 points are admitted to the interview		
Interview	30	50
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 45 out of 100 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:

- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-fisiche-chimiche-matematiche-e-biologiche/scienze-agrarie-alimentari-e-agro-ambientali/

Website:
https://phd-dafe.agr.unipi.it/it/

PhD Programme regulations:
http://alboufficiale.unipi.it/wp-content/uploads/2018/11/Scienzeagrarie.pdf

PHD PROGRAMME IN CLASSICAL STUDIES AND ARCHAEOLOGY
ACADEMIC YEAR 2025/2026 (41ST CYCLE)
in agreement with University of Firenze and University of Siena

Coordinator professor *Gianfranco Agosti*

Department: Filologia, letteratura e linguistica
(https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-filologia-letteratura-e-linguistica-459999/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

SC_ANT01	**Outcome of the selection procedure:** Single ranking list		
	PhD positions: No. 9 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	University of Pisa	
	1	University of Firenze	
	1	University of Siena	
	1	Ateneo Department of Civiltà e Forme del Sapere University of Pisa Department of Ingegneria dell'Informazione University of Pisa	Contemporary Archaeology
	1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000080006)	Archaeology in Tuscany: Landscape, Settlements and Heritage between Prehistory and the Middle Ages

		- require a training / *research experience* of at least 3 (three) months in an applied context (e.g. company, public research institutions, or other non-university institution)	
	1	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP I51J25000080006) - require a training / *research experience* of at least 3 (three) months in an applied context (e.g. company, public research institutions, or other non-university institution)	The tradition of classical texts and cultural heritage in Tuscany: description and cataloguing of manuscripts
	3	Regione Toscana – funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, "Pegaso" PhD grants (CUP CUP I51J25000080006) - require a **study and research stay-abroad period of at least 6 (six) months**;	

Further requirements

Beneficiaries of **"Pegaso" PhD grants** – academic year. 2025/26, funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, must also:

- be no older than 35 years of age at the time of application for the PhD call (up to and including the day of their 35th birthday);
- demonstrate an adequate knowledge of the English language (at least B2 level), which will be assessed by the examining board during the selection process. Candidates must present a valid B2 English level certificate (at least) prior to enrollment and acceptance of the Pegaso grant.
- declare their willingness to carry out a study and research stay abroad of at least 6 (six) months (12 (twelve) months for recipients of an international grant), and to acknowledge that failure to complete the mandatory mobility period may result in the revocation of the entire scholarship by the Tuscany Region. This declaration is not required for beneficiaries of topic-specific PhD grants for whom no international mobility was foreseen at the time of project submission;
- (only for recipients of PhD research project grants) formally declare their willingness to carry out a training/research experience of at least 3 (three) months in an applied context – such as companies, public research institutions, other public institutions (not universities) – and acknowledge that failure to carry out such experience may result in the revocation of the full scholarship by the Regione Toscana;
- declare their willingness to attend courses on soft skills development, knowledge of the labour market and research environment, and methodologies for data collection, analysis, and management (Data Science), as proposed by the implementing body over the three-year duration of the PhD programme.

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:

1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree:

LM-1 Antropologia culturale ed etnologia

LM-2 Archeologia

LM-15 Filologia, letterature e storia dell'antichità

LM-64 Scienze delle religioni

LM-84 Scienze storiche

Lauree specialistiche:

Lauree Vecchio Ordinamento (ante DM 509):

Lettere

Storia

Conservazione dei beni culturali,

Storia e conservazione dei beni culturali

Lettere classiche

Storia e conservazione dei beni architettonici e ambientali

o equiparabili ai sensi del decreto ministeriale 9 luglio 2009

or

an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.

If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum

The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Written examination

The written test may only be taken in person in the Department of the University of Pisa or at other partner institutions (e.g. universities, consulates, embassies).

The candidate may choose between two tests (depending on the curriculum). More information on: https://www.fileli.unipi.it/scienze-antichita-e-archeologia/ammissione

Interview

The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry. During the interview, candidates must demonstrate a command of the relevant knowledge, an aptitude for research, a maturity for critical debate and a willingness to undergo a training process in Italy and abroad

Candidates will have to demonstrate an adequate knowledge of the English language (at least equivalent to CEFR B2).

Web conference SI

Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be evaluated along with the *curriculum* and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.

	Minimum grade	Maximum grade
Curriculum	15	20
Candidates who have obtained a score of at least 15 out of 20 points are admitted to the written test.		
Written examination	20	30
Candidates who have obtained a score of at least 20 out of 30 points are admitted to the interview.		
Interview	*30*	50
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 65 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:

https://www.unipi.it/didattica/corsi/dottorati/scienze-umanistiche/scienze-dellantichita-e-archeologia/

PhD Programme *curricula*:
1. Archaeology
2. Classical Philology

Website:
https://saa.fileli.unipi.it/

PhD Programme regulations:
Pending issuance

"PEGASO" GRANTS – EUROPEAN UNION AND REGIONAL PROVISIONS
Article 15 of the Regional Notice states regional notice states that public calls issued by the implementing body for admission to PhD programmes funded under the regional "Pegaso" scheme must include: the logos of the funding bodies (UE, Country, Region – Giovanisì) and PR FSE 2021/27 programme, as well as references to the relevant EU, national and regional legislation, as outlined below.

Disposizioni dell'Unione europea e regionali:
- Regolamento (UE, Euratom) n. 2093/2020 del Consiglio del 17 dicembre 2020 che stabilisce il quadro finanziario pluriennale per il periodo 2021-2027;
- Visto il Regolamento (UE) 2021/1057 del Parlamento europeo e del Consiglio, del 24 giugno 2021, che istituisce il Fondo sociale europeo Plus (FSE+) e che abroga il regolamento (UE) n. 1296/2013;
- Visto il Regolamento (UE) n. 2021/1060 del Parlamento europeo e del Consiglio del 24 giugno 2021, recante le disposizioni comuni applicabili al Fondo europeo di sviluppo regionale, al Fondo sociale europeo Plus, al Fondo di coesione, al Fondo per una transizione giusta, al Fondo europeo per gli affari marittimi, la pesca e l'acquacoltura, e le regole finanziarie applicabili a tali fondi e al Fondo Asilo, migrazione e integrazione, al Fondo Sicurezza interna e allo Strumento di sostegno finanziario per la gestione delle frontiere e la politica dei visti, in particolare l'articolo 23, paragrafo 4;

- Visto il Regolamento (UE) n. 679/2016 del Parlamento europeo e del Consiglio, del 27 aprile 2016, relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, nonché alla libera circolazione di tali dati e che abroga la direttiva 95/46/CE (regolamento generale sulla protezione dei dati);
- Vista la Decisione di esecuzione della Commissione C(2022)4787 finale del 15 luglio 2022 che approva l'Accordo di Partenariato con la Repubblica Italiana CCI 2021IT16FFPA001, relativo al ciclo di programmazione 2021-2027;
- Richiamata la Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia;
- Richiamata la DGR 1016 del 12/09/22 "Presa d'atto della Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia";
- Richiamata la DGR 122/2023 e ssmmii con la quale è stato approvato il Provvedimento attuativo del PR FSE + 2021/27;
- Visti i criteri di selezione delle operazioni da ammettere al cofinanziamento del Fondo Sociale Europeo Plus nella programmazione 2021-2027 della Regione Toscana approvati dal Comitato di sorveglianza del Programma il 18/11/2022;
- Vista la Decisione n. 2 del 19 giugno 2023 e ssmmii che approva il Sistema di Gestione e Controllo del PR FSE+ 2021/27;
- Vista la Deliberazione della Giunta Regionale n. 610 del 05/06/2023 che ai sensi dell'Articolo 17 comma 1, della LR 32/2002 ss.mm.ii., approva il "Regolamento (UE) 2021/1060 – PR FSE+ 2021-2027. Manuale per i beneficiari – Disposizioni per la gestione degli interventi oggetto di sovvenzioni a valere sul PR FSE+ 2021-2027;
- Visto il Programma Regionale di Sviluppo 2021-2025, adottato con Delibera di Giunta Regionale n.1392 del 07/12/2022;
- Visto l'articolo 64 del Regolamento (UE) 2021/1060 e dell'articolo 16 del regolamento (UE) 2021/1057 in materia di ammissibilità delle spese;
- Visto il DP.R. n. 22 del 5/02/2018 recante il "Regolamento sui criteri sull'ammissibilità delle spese per i programmi cofinanziati dai Fondi strutturali di investimento europei (SIE) per il periodo di programmazione 2014/2020" e s.m.i, a cui si fa riferimento nelle more dell'adozione della nuova norma nazionale in materia di ammissibilità delle spese per il periodo 2021-2027;
- Visti la Legge regionale 26 luglio 2002, n. 32 "Testo unico della normativa della Regione Toscana in materia di educazione, istruzione, orientamento, formazione professionale e lavoro." e ss.mm.ii. e il Decreto del Presidente della Giunta Regionale 8 agosto 2003, n. 47/R e ss.mm.ii., recante "Regolamento di esecuzione della L.R. 26.7.2002, n. 32";
- Visto il D.L. 30 aprile 2019, n. 34 (Misure urgenti di crescita economica e per la risoluzione di specifiche situazioni di crisi), convertito in L. n.58/2019, che prevede, per i soggetti di cui all'art. 35, specifici obblighi di pubblicazione delle informazioni relative a sovvenzioni, sussidi, vantaggi, contributi o aiuti, nei propri siti internet o analoghi portali digitali e nella nota integrativa al bilancio di esercizio e nell'eventuale consolidato;
- Vista la DGR 1321/2022 "Strategia regionale di specializzazione intelligente (S3) per il periodo di programmazione UE 2021/27;
- Vista la DGR 1510/2023 "Strategia di specializzazione intelligente 2021-2027. Piano di Lavoro 2024-25";
- Dato atto che nell'ambito del PR Toscana FSE+ 2021/27 e nel relativo PAD approvato con DGR 122/23 è ricompresa nell'Asse 2, l'attività 2.f.2. "Corsi di laurea e post laurea realizzati in rete";
- Richiamata la Delibera di Giunta Regionale n . 74 del 27 gennaio 2025 che approva gli elementi essenziali dell'avviso "PR FSE 2021/27 – Corsi di dottorato realizzati in rete ciclo XLI – Borse Pegaso 2025" destinando euro 6.000.000,00 alla sua attuazione.
- Dato atto che il contributo è soggetto a monitoraggio di spesa e rendicontazione da effettuare secondo le modalità e le scadenze del PR FSE 2021/27;
- Dato atto della somma assegnata alla Regione Toscana come da PR FSE 2021/27, approvato con Decisione della Commissione C(2022) n. 6089 del 19/08/2022, e da Piano attuativo di dettaglio (PAD) del PR FSE 2021/27 adottato con delibera della Giunta n. 122/2023, il relativo accertamento di entrata sarà assunto sulla base di estrazioni periodiche e comunicazione ai singoli settori competenti sul bilancio finanziario gestionale 2025/27;
- Vista la Deliberazione della Giunta Regionale n.1 del 08/01/2025 con cui viene approvato il Documento Tecnico di Accompagnamento al Bilancio di Previsione 2025-2027 e del Bilancio Finanziario Gestionale 2025-2027.
- Dato atto che l'intervento è stato inserito nel cronoprogramma degli interventi da realizzare con il PR FSE 2021/27 nel 2025.

PHD PROGRAMME IN CHEMISTRY AND MATERIAL SCIENCE
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Francesca Modugno*

Department: Chemistry and Industrial Chemistry
(https://unimap.unipi.it/organizzazione/ente.php?d=419999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 8

SC_CHIM_01	**Outcome of the selection procedure:** Single ranking list	
	PhD positions: No. 2	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	2 / University of Pisa	

SC_CHIM_02	**Outcome of the selection procedure:** Specific research topics with separate ranking lists: no. 6	
	PhD positions: No. 6 of which	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	1 / Department of Chemistry and Industrial Chemistry of the University of Pisa	Development of nanostructured photocatalysts for in space production of propellants
	1 / Department of Chemistry and Industrial Chemistry of the University of Pisa	Computational simulations of chiral supramolecular aggregates of conjugated organic compounds
	1 / Department of Chemistry and Industrial Chemistry of the University of Pisa	Multiscale models for the study of photoenzymes
	1 / Department of Chemistry and Industrial Chemistry of the University of Pisa	An integrated approach combining quantum chemistry and deep learning for the design of photoenzymes
	1 / Bolton Food S.p.A.	Seafood biomass conversion to bioadhesives

	1	KEDRION S.p.A.	Analytical methods development for chemicophysical characterization of therapeutical formulations

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31st October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9th July 2009, to be awarded **by 31st October 2025.**
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
Accompanying the application, it is required to upload, only during the application process, the following documents: a list of the exams taken during the university career with related exam marks and the final grade reported in the Bachelor's degree and in the Master's degree (if already earned).

Written examination
The written test may only be taken in person at the Department of Chemistry and Industrial Chemistry of the University of Pisa. The written test will be aimed at assessing the academic prerequisites. The test may be taken in either Italian or English, at the candidate's choice.

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry. During the interview candidates will present and discuss the research project submitted in the application. During the interview, there will be an assessment of the English language, as part of the interview itself will be carried out in English. If required, all the interview can be carried out in English.
Web conference YES
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the

application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process and will be evaluated during the interview.
Research project must be edited in maximum 2 pages in A4 format, apart from bibliography, minimum 11 type, minimum 1.5 line space.

	Minimum grade	**Maximum grade**
Curriculum	30	50
Candidates who have obtained a score of at least 30 out of 50 points are admitted to the written test.		
Written examination	12	20
Candidates who have obtained a score of at least 42 out of 70 points are admitted to the interview.		
Interview	20	30
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 62 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-fisiche-chimiche-matematiche-e-biologiche/scienze-chimiche-e-dei-materiali/

Website:
https://dscm.dcci.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/redochimica.pdf

UNIVERSITÀ DI PISA

PHD PROGRAMME IN CLINICAL AND TRANSLATIONAL SCIENCES
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor Mauro Pistello

Department: Ricerca Traslazionale e delle nuove tecnologie in medicina e chirurgia
(http://www.medtrasl.unipi.it)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 6

SC_CLI_01	**Outcome of the selection procedure:** Single ranking list	
	PhD positions: No.1 of which	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	1 University of Pisa	
SC_CLI_02	**Outcome of the selection procedure:** Single ranking list for research project	
	PhD positions: No. 1 of which	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	1 Department of Ricerca Traslazionale e delle Nuove Tecnologie in Medicina e Chirurgia of the University of Pisa	Optimization of the Use of Targeted Therapies in Hepatobiliary Tumors
SC_CLI_03	**Outcome of the selection procedure:** Single ranking list for research project	
	PhD positions: No. 1 of which	
	No. / **Financing institution**	**Research project / subject** (optional)
	PhD Grants	
	1 Fondazione GONO *Onlus*	Optimization of treatment in patients with metastatic colorectal cancer through the use of liquid biopsy

SC_CLI_04	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Department of Ricerca Traslazionale e delle Nuove Tecnologie in Medicina e Chirurgia of the University of Pisa	Reducing infection-related cancers by developing comprehensive and effective prevention programmes for HBV, HCV, HPV, and HIV among vulnerable and socially deprived population groups

SC_CLI_05	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Istituto di Fisiologia Clinica IFC CNR	Artificial Intelligence techniques in ultrasound imaging for vascular health assessment

SC_CLI_06	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1 **of which**		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Fondazione per la gestione dei lasciti e atti di liberalità per attività di supporto agli studenti e di ricerca dell'Università di Pisa	Development of artificial intelligence models in 7 Tesla magnetic resonance imaging

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.

If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Interview
The interview which will be conducted entirely in English, will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.

Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.
The maximum character limit specified in the form includes spaces and is for the research project. The bibliography is not included in the aforementioned characters.

	Minimum grade	Maximum grade
Curriculum	15	30
Candidates who have obtained a score of at least 15 out of 30 points are admitted to the interview.		
Interview	40	70
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 55 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-mediche-farmaceutiche-e-veterinarie/scienze-cliniche-e-traslazionali/

PhD Programme curricula:
1. *Endocrinologia, Metabolismo e Malattie Cardiovascolari*
2. *Imaging, Simulazione e Pianificazione*
3. *Immunologia e Microbiologia*
4. *Neuroscienze*
5. *Oncologia e Medicina Molecolare*
6. *Sanità pubblica*

Website:
https://ctsphd.med.unipi.it/

PhD Programme regulations:
https://alboufficiale.unipi.it/wp-content/uploads/2018/11/scienzeclinichetraslazionali.pdf

PHD PROGRAMME IN LEGAL SCIENCES
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Elena Bargelli*

Department: Giurisprudenza
(https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-giurisprudenza-479999/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 3

SC_GIU_01	**Outcome of the selection procedure:** Single ranking list
	PhD positions: No. 3 of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
2	University of Pisa	
1	Centro di Servizi Polo Universitario "Sistemi Logistici" di Livorno	Legal frameworks of logistic systems and the maritime economy

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

- Master's degree **to be obtained by 31 october 2025**:
22/S (specialistiche in giurisprudenza)
57/S (specialistiche in programmazione e gestione delle politiche e dei servizi sociali)
60/S (specialistiche in relazioni internazionali)

70/S (specialistiche in scienze della politica)
71/S (specialistiche in scienze delle pubbliche amministrazioni)
88/S (specialistiche in scienze per la cooperazione allo sviluppo)
89/S (specialistiche in sociologia)
oppure
- Master's degree **to be obtained by 31 october 2025**:
LMG/01 Classe delle lauree magistrali in giurisprudenza
LM-52 Relazioni internazionali
LM-56 Scienze dell'economia
LM-59 Scienze della comunicazione pubblica, d'impresa e pubblicità
LM-63 Scienze delle pubbliche amministrazioni
LM-77 Scienze economico-aziendali
LM-81 Scienze per la cooperazione allo sviluppo
LM-87 Servizio sociale e politiche sociali
LM-88 Sociologia e ricerca sociale
LM/SC Scienze criminologiche applicate all'investigazione e alla sicurezza
LM/SC-GIUR Scienze Giuridiche
oppure
- Master's degree (*ante d.m. 509/99*) **to be obtained by 31 october 2025**:
Law
Phylosophy
Political Science
Economy
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

<u>Please note</u>: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum,** In particular, candidates are invited to include:
- a list of the exams taken during their degree program, indicating the grades obtained in each exam, the final degree mark, and the date the degree was awarded;
- the degree thesis;
- any publications, which will be considered by the Committee up to a maximum of one.

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Candidates will have to demonstrate an adequate knowledge of the English language
The assessment of English language proficiency will be expressed using the following scale: sufficient, fair, good, very good, excellent.

For candidates whose native language is not Italian, knowledge of the Italian language will also be assessed. The same grading scale mentioned above will be used for evaluating Italian language proficiency.

For admission to the program, all candidates must achieve at least a "sufficient" rating in English language proficiency.

Web conference NO Interviews may only be taken in person

Research project
to be illustrated during the interview

The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.

Research project is not binding for the PhD Council, and must be drafted in this way:

a) the project must have a title;

b) the project must have a brief description of the research theme of interest for the PhD candidate, also emphasizing the research question;

c) the project must shortly describe the state of art on the subject;

d) the project must indicate the expected results of the research;

e) the project must describe the methodology that should be followed during the research work;

f) the project must include bibliographical references.

The text of the project must not exceed 10.000 characters, including spaces and bibliography.

The text must not exceed 10,000 characters, including spaces and bibliography.

	Minimum grade	**Maximum grade**
Curriculum	5	20
Candidates who have obtained a score of at least 5out of 20 points are admitted to the interview.		
Interview	60 *di cui* 20 da riservare al progetto di ricerca	80
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 65 out of 100 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:

- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-giuridiche-economiche-e-politico-sociali/scienze-giuridiche/

PhD Programme curricula:
1. *Private Law and private comparative Law, Labour, Legal European Tradition*
2. *Theory of fundamental rights, Constitutional Justice, Comparative Law, Law and Religion*
3. *Company Law, International Law, European Law, Rules of Civil Procedure*
4. *Administration, Market and Criminal Justice.*

Website:
https://www.jus.unipi.it/ricerca/corso-di-dottorato/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/regoscienzegiuridiche.pdf

UNIVERSITÀ DI PISA

PHD PROGRAMME IN POLITICAL SCIENCES
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Andrea Salvini*

Department: Political sciences
(*https://unimap.unipi.it/organizzazione/ente.php?d=589999@DIP*)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 3

SC_POL_01	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 2		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	2	University of Pisa	Sociology, history, political studies, and geopolitics

SC_POL_02	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Centro di Servizi Polo Universitario "Sistemi Logistici" di Livorno	Logistics and port systems within historical-political, social, and geopolitical frameworks

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025.**
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**
The selection will be carried out on the evaluation of an academic (University average grade of exams, final grade, awards and recognitions) and scientific curriculum (publications, study and research grants, internships, participation in conferences with presentation of a report, in which case an abstract should be submitted, training and research experiences abroad).

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, motivation for scientific inquiry and knowledge of the English language. During the interview, candidates will illustrate a research project which is to be well-structured, coherent and adequate to demonstrate the mastery of topics related to their research field.
Web conference NO **Interviews may only be taken in person**

Research project
to be evaluated along with the curriculum and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.
Research project will have to be congruent with disciplinary areas characterizing the competition subject and will be evaluated considering quality, originality and innovation criteria. The project will have to clearly report the aims and research questions, methodologies candidates wish to adopt and expected results, other than a timetable respecting the development of research activities.
The Project must include a minimum of 3 and a maximum of 6 pages consisting of approximately 2500 characters each (including spaces) and a bibliography.

	Minimum grade	Maximum grade
Curriculum	42	60
Candidates who have obtained a score of at least 42 out of 60 points are admitted to the interview.		
Interview	28	40
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 70 out of 100 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23ʳᵈ and August, 1ˢᵗ 2025** and **between August 25ᵗʰ and September, 10ᵗʰ 2025.**

For each one of the selections, test schedule will be published **by July 10ᵗʰ, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:

- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-giuridiche-economiche-e-politico-sociali/scienze-politiche/

Website:
https://www.sp.unipi.it/it/ricerca/dottorato/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/regdottscienzepolitiche.pdf

PHD PROGRAMME IN VETERINARY SCIENCES
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Valentina Meucci*

Department: Veterinary Sciences
(https://www.unipi.it/ateneo/organizzazione/strutture/dipartimenti/dipartimento-di-scienze-veterinarie-599999/)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions available No. 5
of which:
PhD positions with grant No. 4
PhD positions reserved to employees of IRSEA No. 1

SC_VET01	**Outcome of the selection procedure:** Single ranking list for research project
	PhD positions: No. 1

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Pisa	Nutraceutical administration of colostrum during the neonatal period: impact on calves' health

SC_VET02	**Outcome of the selection procedure:** Single ranking list for research project
	PhD positions: No. 1

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Pisa	Impact of per- and polyfluoroalkyl substances (PFAS) on male fertility: the canine model

SC_VET03	**Outcome of the selection procedure:**
	Single ranking list for research project

PhD positions: No. 1

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto Zooprofilattico Sperimentale del Lazio e della Toscana "Mariano Aleandri"	Aquaculture: Integrated approach for the prevention of diseases in aquaculture and the promotion of animal welfare

SC_VET04	**Outcome of the selection procedure:**
	Single ranking list for research project

PhD positions: No. 1

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto Zooprofilattico Sperimentale del Lazio e della Toscana "Mariano Aleandri"	Integrated Pest Management (IPM) of honey bee diseases to reduce drug use in beekeeping

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:

1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications.

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

SC_VET05	**Outcome of the selection procedure:**
	Ranking reserved to employees of IRSEA (legal head office *Apt, Quartiert Salignan*)

PhD positions: No. 1
Positions reserved for candidates holding a formal employment contract, with a duration at least equal to that of the PhD programme, with a private or public institution in agreement with the University of Pisa (salary maintained) – art. 3 of the PhD competition call

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	IRSEA	Study of vomeronasal type-2 receptors (V2Rs) in mammals: Evaluation of their functionality, identification of ligands

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025: ALL**

or

an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025.**

If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum

The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Written examination

The written test may only be taken in person in the Department of Veterinary Sciences of the University of Pisa. The written test will be aimed at assessing the academic prerequisites. It may be held in either Italian or English, at the candidate's choice and consists in writing an essay on general topics.

Interview

The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry. During the interview candidates' curriculum will also be discussed.

Web conference YES

Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

	Minimum grade	Maximum grade
Curriculum	0	20
Candidates who have obtained a score up to 20 points are admitted to the written test.		
Written examination	25	40
Candidates who have obtained a score of at least 25 out of 40 points are admitted to the interview.		
Interview	25	40
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 50 out of 100 points.		

EXAM SCHEDULE

Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**

For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT

Article 5 of the call for applications outlines:

- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-mediche-farmaceutiche-e-veterinarie/scienze-veterinarie/

Website:
https://dottorato.vet.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/8dottscvet.pdf

PHD PROGRAMME IN SMART INDUSTRY
ACADEMIC YEAR **2025/2026 (41ST CYCLE)**
partnered with University of Florence and University of Siena

Coordinator professor Enzo Pasquale Scilingo

Department: Ingegneria dell'Informazione
(https://unimap.unipi.it/organizzazione/ente.php?d=519999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 10

SMART_01	**Outcome of the selection procedure:** Single ranking list

PhD positions: No. 10
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Florence	
1	University of Siena	
2	Department of Ingegneria dell'Informazione of the University of Pisa, Department of Excellence 2023/2027	*Enabling Technologies for Industry 5.0*
1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Identification, analysis, and mitigation of low-frequency oscillations in direct and alternating current power grids*
3	Regione Toscana - con risorse del PR FSE 2021/27 - **nell'ambito di Giovanisì** (www.giovanisi.it), il progetto della Regione Toscana per l'autonomia dei giovani, borse di dottorato "Pegaso" (CUP	

		I51J25000060006) con obbligo di effettuare un *soggiorno di studio e ricerca all'estero* per *almeno 6 (sei) mesi*;	
	1	Regione Toscana - con risorse del PR FSE 2021/27 - **nell'ambito di Giovanisì** (www.giovanisi.it), il progetto della Regione Toscana per l'autonomia dei giovani, borse di dottorato "Pegaso" (CUP I51J25000060006) con obbligo di effettuare *un'esperienza di formazione/ricerca* in un contesto applicativo - quale un'impresa, un ente pubblico di ricerca, un altro ente/istituzione (non universitaria) di *almeno 3 (tre) mesi e* con obbligo di effettuare un *soggiorno di studio e ricerca all'estero* per *almeno 6 (sei) mesi*;	*Artificial Intelligence-based processing of Big Data from Opportunistic Sensors for Technological Innovation in Agritech, Environmental, and Meteorological Applications*
	1	Regione Toscana - con risorse del PR FSE 2021/27 - **nell'ambito di Giovanisì** (www.giovanisi.it), il progetto della Regione Toscana per l'autonomia dei giovani, borse di dottorato "Pegaso" (CUP I51J25000060006) con obbligo di effettuare *un'esperienza di formazione/ricerca* in un contesto applicativo - quale un'impresa, un ente pubblico di ricerca, un altro ente/istituzione (non universitaria) di *almeno 3 (tre) mesi e* con obbligo di effettuare un *soggiorno di studio e ricerca all'estero* per *almeno 6 (sei) mesi*;	*Advanced Digital Twin for Process Optimization and Management*

Further requirements

Beneficiaries of **"Pegaso" PhD grants** – academic year. 2025/26, funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, must <u>also</u>:

- be no older than 35 years of age at the time of application for the PhD call (up to and including the day of their 35th birthday);

- demonstrate an adequate knowledge of the English language (at least B2 level), which will be assessed by the examining board during the selection process. Candidates must present a valid B2 English level certificate (at least) prior to enrollment and acceptance of the Pegaso grant.

- declare their willingness to carry out a study and research stay abroad of at least 6 (six) months (12 (twelve) months for recipients of an international grant), and to acknowledge that failure to complete the mandatory mobility period may result in the revocation of the entire scholarship by the Tuscany Region. This declaration is not required for beneficiaries of topic-specific PhD grants for whom no international mobility was foreseen at the time of project submission;

- (only for recipients of PhD research project grants) formally declare their willingness to carry out a training/research experience of at least 3 (three) months in an applied context – such as companies, public research institutions, other public institutions (not universities) – and acknowledge that failure to carry out such experience may result in the revocation of the full scholarship by the Regione Toscana;

- declare their willingness to attend courses on soft skills development, knowledge of the labour market and research environment, and methodologies for data collection, analysis, and management (Data Science), as proposed by the implementing body over the three-year duration of the PhD programme.

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, <u>can choose whether</u>:

1. <u>apply as a public employee, thereby automatically renouncing the PhD grant;</u>

2. <u>apply for a position with PhD grant, without declaring their status as public employee during the online application process;</u>

In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications

Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**:
Master's degree (D.M. 509):
20/S (specialistiche in fisica)
23/S (specialistiche in informatica)
24/S (specialistiche in informatica per le discipline umanistiche)
25/S (specialistiche in ingegneria aerospaziale e astronautica)
26/S (specialistiche in ingegneria biomedica)
27/S (specialistiche in ingegneria chimica)
29/S (specialistiche in ingegneria dell'automazione)
30/S (specialistiche in ingegneria delle telecomunicazioni)
31/S (specialistiche in ingegneria elettrica)
32/S (specialistiche in ingegneria elettronica)
33/S (specialistiche in ingegneria energetica e nucleare)
34/S (specialistiche in ingegneria gestionale)
35/S (specialistiche in ingegneria informatica)
36/S (specialistiche in ingegneria meccanica)
37/S (specialistiche in ingegneria navale)
38/S (specialistiche in ingegneria per l'ambiente e il territorio)
45/S (specialistiche in matematica)
50/S (specialistiche in modellistica matematico-fisica per l'ingegneria)
61/S (specialistiche in scienza e ingegneria dei materiali)
74/S (specialistiche in scienze e gestione delle risorse rurali e forestali)
77/S (specialistiche in scienze e tecnologie agrarie)
79/S (specialistiche in scienze e tecnologie agrozootecniche)

Master's degree (D.M. 270):
LM-17 Fisica
LM-18 Informatica
LM-20 Ingegneria aerospaziale e astronautica
LM-21 Ingegneria biomedica
LM-22 Ingegneria chimica
LM-25 Ingegneria dell'automazione
LM-26 Ingegneria della sicurezza
LM-27 Ingegneria delle telecomunicazioni
LM-28 Ingegneria elettrica
LM-29 Ingegneria elettronica
LM-30 Ingegneria energetica e nucleare
LM-31 Ingegneria gestionale
LM-32 Ingegneria informatica
LM-33 Ingegneria meccanica
LM-34 Ingegneria navale
LM-35 Ingegneria per l'ambiente e il territorio
LM-40 Matematica
LM-44 Modellistica matematico-fisica per l'ingegneria
LM-53 Scienza e ingegneria dei materiali
LM-66 Sicurezza informatica
LM-69 Scienze e tecnologie agrarie
LM-73 Scienze e tecnologie forestali ed ambientali

Master's degree in Ingegneria Industriale e dell'Informazione, oppure Matematica, Fisica, Informatica o Scienze Agrarie e Forestali
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Candidates will have to demonstrate an adequate knowledge of the English language (at least equivalent to CEFR B2).

Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be evaluated along with the curriculum and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.
The research project, of maximum 3 pages, excluding bibliography, must be presented in English, indicating: aim of the research project; methodology for the achievement of the objective; expected impact.

	Minimum grade	Maximum grade
Curriculum	42	60
Candidates who have obtained a score of at least 42 out of 60 points are admitted to the written test.		
Interview	28	40
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 70 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/smart-industry/

Website:
https://smartindustry.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/regsmart.pdf

"PEGASO" GRANTS – EUROPEAN UNION AND REGIONAL PROVISIONS
Article 15 of the Regional Notice states regional notice states that public calls issued by the implementing body for admission to PhD programmes funded under the regional "Pegaso" scheme must include: the logos of the funding bodies (UE, Country, Region – Giovanisì) and PR FSE 2021/27 programme, as well as references to the relevant EU, national and regional legislation, as outlined below.

Disposizioni dell'Unione europea e regionali:
- Regolamento (UE, Euratom) n. 2093/2020 del Consiglio del 17 dicembre 2020 che stabilisce il quadro finanziario pluriennale per il periodo 2021-2027;
- Visto il Regolamento (UE) 2021/1057 del Parlamento europeo e del Consiglio, del 24 giugno 2021, che istituisce il Fondo sociale europeo Plus (FSE+) e che abroga il regolamento (UE) n. 1296/2013;
- Visto il Regolamento (UE) n. 2021/1060 del Parlamento europeo e del Consiglio del 24 giugno 2021, recante le disposizioni comuni applicabili al Fondo europeo di sviluppo regionale, al Fondo sociale europeo Plus, al Fondo di coesione, al Fondo per una transizione giusta, al Fondo europeo per gli affari marittimi, la pesca e l'acquacoltura, e le regole finanziarie applicabili a tali fondi e al Fondo Asilo, migrazione e integrazione, al Fondo Sicurezza interna e allo Strumento di sostegno finanziario per la gestione delle frontiere e la politica dei visti, in particolare l'articolo 23, paragrafo 4;
- Visto il Regolamento (UE) n. 679/2016 del Parlamento europeo e del Consiglio, del 27 aprile 2016, relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, nonché alla libera circolazione di tali dati e che abroga la direttiva 95/46/CE (regolamento generale sulla protezione dei dati);
- Vista la Decisione di esecuzione della Commissione C(2022)4787 finale del 15 luglio 2022 che approva l'Accordo di Partenariato con la Repubblica Italiana CCI 2021IT16FFPA001, relativo al ciclo di programmazione 2021-2027;
- Richiamata la Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia;
- Richiamata la DGR 1016 del 12/09/22 "Presa d'atto della Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia";
- Richiamata la DGR 122/2023 e ssmmii con la quale è stato approvato il Provvedimento attuativo del PR FSE + 2021/27;
- Visti i criteri di selezione delle operazioni da ammettere al cofinanziamento del Fondo Sociale Europeo Plus nella programmazione 2021-2027 della Regione Toscana approvati dal Comitato di sorveglianza del Programma il 18/11/2022;
- Vista la Decisione n. 2 del 19 giugno 2023 e ssmmii che approva il Sistema di Gestione e Controllo del PR FSE+ 2021/27;
- Vista la Deliberazione della Giunta Regionale n. 610 del 05/06/2023 che ai sensi dell'Articolo 17 comma 1, della LR 32/2002 ss.mm.ii., approva il "Regolamento (UE) 2021/1060 – PR FSE+ 2021-2027. Manuale per i beneficiari – Disposizioni per la gestione degli interventi oggetto di sovvenzioni a valere sul PR FSE+ 2021-2027;
- Visto il Programma Regionale di Sviluppo 2021-2025, adottato con Delibera di Giunta Regionale n.1392 del 07/12/2022;
- Visto l'articolo 64 del Regolamento (UE) 2021/1060 e dell'articolo 16 del regolamento (UE) 2021/1057 in materia di ammissibilità delle spese;
- Visto il DP.R. n. 22 del 5/02/2018 recante il "Regolamento sui criteri sull'ammissibilità delle spese per i programmi cofinanziati dai Fondi strutturali di investimento europei (SIE) per il periodo di programmazione 2014/2020" e s.m.i, a cui si fa riferimento nelle more dell'adozione della nuova norma nazionale in materia di ammissibilità delle spese per il periodo 2021-2027;
- Visti la Legge regionale 26 luglio 2002, n. 32 "Testo unico della normativa della Regione Toscana in materia di educazione, istruzione, orientamento, formazione professionale e lavoro." e ss.mm.ii. e il Decreto del Presidente della Giunta Regionale 8 agosto 2003, n. 47/R e ss.mm.ii., recante "Regolamento di esecuzione della L.R. 26.7.2002, n. 32";
- Visto il D.L. 30 aprile 2019, n. 34 (Misure urgenti di crescita economica e per la risoluzione di specifiche situazioni di crisi), convertito in L. n.58/2019, che prevede, per i soggetti di cui all'art. 35, specifici obblighi di pubblicazione delle informazioni relative a sovvenzioni, sussidi, vantaggi, contributi o aiuti, nei propri siti internet o analoghi portali digitali e nella nota integrativa al bilancio di esercizio e nell'eventuale consolidato;
- Vista la DGR 1321/2022 "Strategia regionale di specializzazione intelligente (S3) per il periodo di programmazione UE 2021/27;
- Vista la DGR 1510/2023 "Strategia di specializzazione intelligente 2021-2027. Piano di Lavoro 2024-25";
- Dato atto che nell'ambito del PR Toscana FSE+ 2021/27 e nel relativo PAD approvato con DGR 122/23 è ricompresa nell'Asse 2, l'attività 2.f.2. "Corsi di laurea e post laurea realizzati in rete";
- Richiamata la Delibera di Giunta Regionale n . 74 del 27 gennaio 2025 che approva gli elementi essenziali dell'avviso "PR FSE 2021/27 – Corsi di dottorato realizzati in rete ciclo XLI – Borse Pegaso 2025" destinando euro 6.000.000,00 alla sua attuazione.
- Dato atto che il contributo è soggetto a monitoraggio di spesa e rendicontazione da effettuare secondo le modalità e le scadenze del PR FSE 2021/27;
- Dato atto della somma assegnata alla Regione Toscana come da PR FSE 2021/27, approvato con Decisione della Commissione C(2022) n. 6089 del 19/08/2022, e da Piano attuativo di dettaglio (PAD) del PR FSE 2021/27 adottato con delibera della Giunta n. 122/2023, il

relativo accertamento di entrata sarà assunto sulla base di estrazioni periodiche e comunicazione ai singoli settori competenti sul bilancio finanziario gestionale 2025/27;

- Vista la Deliberazione della Giunta Regionale n.1 del 08/01/2025 con cui viene approvato il Documento Tecnico di Accompagnamento al Bilancio di Previsione 2025-2027 e del Bilancio Finanziario Gestionale 2025-2027.
- Dato atto che l'intervento è stato inserito nel cronoprogramma degli interventi da realizzare con il PR FSE 2021/27 nel 2025.

PHD PROGRAMME IN SMART INDUSTRY
ACADEMIC YEAR **2025/2026 (41ST CYCLE)**
partnered with University of Florence and University of Siena

Coordinator professor Enzo Pasquale Scilingo

Department: Ingegneria dell'Informazione
(https://unimap.unipi.it/organizzazione/ente.php?d=519999@DIP)

COMPETITIONS

IMPORTANT: At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

PhD positions with grant No. 10

SMART_01	**Outcome of the selection procedure:** Single ranking list

PhD positions: No. 10
of which

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	University of Florence	
1	University of Siena	
2	Department of Ingegneria dell'Informazione of the University of Pisa, Department of Excellence 2023/2027	*Enabling Technologies for Industry 5.0*
1	Department of Ingegneria Civile e Industriale of the University of Pisa	*Identification, analysis, and mitigation of low-frequency oscillations in direct and alternating current power grids*
3	Regione Toscana - con risorse del PR FSE 2021/27 **- nell'ambito di Giovanisì** (www.giovanisi.it), il	

	progetto della Regione Toscana per l'autonomia dei giovani, borse di dottorato "Pegaso" (CUP I51J25000060006) con obbligo di effettuare un *soggiorno di studio e ricerca all'estero* per *almeno 6 (sei) mesi*;	
1	Regione Toscana - con risorse del PR FSE 2021/27 - **nell'ambito di Giovanisì** (www.giovanisi.it), il progetto della Regione Toscana per l'autonomia dei giovani, borse di dottorato "Pegaso" (CUP I51J25000060006) con obbligo di effettuare *un'esperienza di formazione/ricerca* in un contesto applicativo - quale un'impresa, un ente pubblico di ricerca, un altro ente/istituzione (non universitaria) di *almeno 3 (tre) mesi e* con obbligo di effettuare un *soggiorno di studio e ricerca all'estero* per *almeno 6 (sei) mesi*;	*Artificial Intelligence-based processing of Big Data from Opportunistic Sensors for Technological Innovation in Agritech, Environmental, and Meteorological Applications*
1	Regione Toscana - con risorse del PR FSE 2021/27 - **nell'ambito di Giovanisì** (www.giovanisi.it), il progetto della Regione Toscana per l'autonomia dei giovani, borse di dottorato "Pegaso" (CUP I51J25000060006) con obbligo di effettuare *un'esperienza di formazione/ricerca* in un contesto applicativo - quale un'impresa, un ente pubblico di ricerca, un altro ente/istituzione (non universitaria) di *almeno 3 (tre) mesi* e con obbligo di effettuare un *soggiorno di studio e ricerca all'estero* per *almeno 6 (sei) mesi*;	*Advanced Digital Twin for Process Optimization and Management*

Further requirements
Beneficiaries of **"Pegaso" PhD grants** – academic year. 2025/26, funded thorough PR FSE 2021/27 within the framework of **Giovanisì** (www.giovanisi.it), the project of the Tuscany Region for youth empowerment, must <u>also</u>:
- be no older than 35 years of age at the time of application for the PhD call (up to and including the day of their 35th birthday);
- demonstrate an adequate knowledge of the English language (at least B2 level), which will be assessed by the examining board during the selection process. Candidates must present a valid B2 English level certificate (at least) prior to enrollment and acceptance of the Pegaso grant.
- declare their willingness to carry out a study and research stay abroad of at least 6 (six) months (12 (twelve) months for recipients of an international grant), and to acknowledge that failure to complete the mandatory mobility period may result in the revocation of the entire scholarship by the Tuscany Region. This declaration is not required for beneficiaries of topic-specific PhD grants for whom no international mobility was foreseen at the time of project submission;
- (only for recipients of PhD research project grants) formally declare their willingness to carry out a training/research experience of at least 3 (three) months in an applied context – such as companies, public research institutions, other public institutions (not universities) – and acknowledge that failure to carry out such experience may result in the revocation of the full scholarship by the Regione Toscana;
- declare their willingness to attend courses on soft skills development, knowledge of the labour market and research environment, and methodologies for data collection, analysis, and management (Data Science), as proposed by the implementing body over the three-year duration of the PhD programme.

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, <u>can choose whether</u>:
1. <u>apply as a public employee, thereby automatically renouncing the PhD grant</u>;
2. <u>apply for a position with PhD grant, without declaring their status as public employee during the online application process</u>;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **<u>Once this choice is done it is irrevocable and cannot be modified at a later time.</u>**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) to be awarded **by 31 October 2025**:
Master's degree (D.M. 509):
20/S (specialistiche in fisica)
23/S (specialistiche in informatica)
24/S (specialistiche in informatica per le discipline umanistiche)
25/S (specialistiche in ingegneria aerospaziale e astronautica)
26/S (specialistiche in ingegneria biomedica)
27/S (specialistiche in ingegneria chimica)
29/S (specialistiche in ingegneria dell'automazione)
30/S (specialistiche in ingegneria delle telecomunicazioni)
31/S (specialistiche in ingegneria elettrica)
32/S (specialistiche in ingegneria elettronica)
33/S (specialistiche in ingegneria energetica e nucleare)
34/S (specialistiche in ingegneria gestionale)
35/S (specialistiche in ingegneria informatica)
36/S (specialistiche in ingegneria meccanica)
37/S (specialistiche in ingegneria navale)
38/S (specialistiche in ingegneria per l'ambiente e il territorio)
45/S (specialistiche in matematica)
50/S (specialistiche in modellistica matematico-fisica per l'ingegneria)
61/S (specialistiche in scienza e ingegneria dei materiali)
74/S (specialistiche in scienze e gestione delle risorse rurali e forestali)
77/S (specialistiche in scienze e tecnologie agrarie)
79/S (specialistiche in scienze e tecnologie agrozootecniche)

Master's degree (D.M. 270):
LM-17 Fisica
LM-18 Informatica
LM-20 Ingegneria aerospaziale e astronautica
LM-21 Ingegneria biomedica
LM-22 Ingegneria chimica
LM-25 Ingegneria dell'automazione
LM-26 Ingegneria della sicurezza
LM-27 Ingegneria delle telecomunicazioni
LM-28 Ingegneria elettrica
LM-29 Ingegneria elettronica
LM-30 Ingegneria energetica e nucleare
LM-31 Ingegneria gestionale
LM-32 Ingegneria informatica
LM-33 Ingegneria meccanica
LM-34 Ingegneria navale
LM-35 Ingegneria per l'ambiente e il territorio
LM-40 Matematica
LM-44 Modellistica matematico-fisica per l'ingegneria
LM-53 Scienza e ingegneria dei materiali
LM-66 Sicurezza informatica
LM-69 Scienze e tecnologie agrarie
LM-73 Scienze e tecnologie forestali ed ambientali

Master's degree in Ingegneria Industriale e dell'Informazione, oppure Matematica, Fisica, Informatica o Scienze Agrarie e Forestali
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, to be awarded **by 31 October 2025**.
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, <u>during the online application process</u>, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry.
Candidates will have to demonstrate an adequate knowledge of the English language (at least equivalent to CEFR B2).
Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be evaluated along with the curriculum and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded during the online application process.
The research project, of maximum 3 pages, excluding bibliography, must be presented in English, indicating: aim of the research project; methodology for the achievement of the objective; expected impact.

	Minimum grade	**Maximum grade**
Curriculum	42	60
Candidates who have obtained a score of at least 42 out of 60 points are admitted to the written test.		
Interview	28	40
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 70 out of 100 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/smart-industry/

Website:
https://smartindustry.unipi.it/

PhD Programme regulations:
https://www.unipi.it/phocadownload/regolamentiallegati/regsmart.pdf

"PEGASO" GRANTS – EUROPEAN UNION AND REGIONAL PROVISIONS
Article 15 of the Regional Notice states regional notice states that public calls issued by the implementing body for admission to PhD programmes funded under the regional "Pegaso" scheme must include: the logos of the funding bodies (UE, Country, Region – Giovanisì) and PR FSE 2021/27 programme, as well as references to the relevant EU, national and regional legislation, as outlined below.

Disposizioni dell'Unione europea e regionali:
- Regolamento (UE, Euratom) n. 2093/2020 del Consiglio del 17 dicembre 2020 che stabilisce il quadro finanziario pluriennale per il periodo 2021-2027;
- Visto il Regolamento (UE) 2021/1057 del Parlamento europeo e del Consiglio, del 24 giugno 2021, che istituisce il Fondo sociale europeo Plus (FSE+) e che abroga il regolamento (UE) n. 1296/2013;
- Visto il Regolamento (UE) n. 2021/1060 del Parlamento europeo e del Consiglio del 24 giugno 2021, recante le disposizioni comuni applicabili al Fondo europeo di sviluppo regionale, al Fondo sociale europeo Plus, al Fondo di coesione, al Fondo per una transizione giusta, al Fondo europeo per gli affari marittimi, la pesca e l'acquacoltura, e le regole finanziarie applicabili a tali fondi e al Fondo Asilo, migrazione e integrazione, al Fondo Sicurezza interna e allo Strumento di sostegno finanziario per la gestione delle frontiere e la politica dei visti, in particolare l'articolo 23, paragrafo 4;
- Visto il Regolamento (UE) n. 679/2016 del Parlamento europeo e del Consiglio, del 27 aprile 2016, relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, nonché alla libera circolazione di tali dati e che abroga la direttiva 95/46/CE (regolamento generale sulla protezione dei dati);
- Vista la Decisione di esecuzione della Commissione C(2022)4787 finale del 15 luglio 2022 che approva l'Accordo di Partenariato con la Repubblica Italiana CCI 2021IT16FFPA001, relativo al ciclo di programmazione 2021-2027;
- Richiamata la Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia;
- Richiamata la DGR 1016 del 12/09/22 "Presa d'atto della Decisione della Commissione C(2022) n. 6089 del 19/08/2022 che approva il programma regionale "PR Toscana FSE+ 2021-2027", per il sostegno a titolo del Fondo sociale europeo Plus nell'ambito dell'obiettivo "Investimenti a favore dell'occupazione e della crescita" per la regione Toscana in Italia";
- Richiamata la DGR 122/2023 e ssmmii con la quale è stato approvato il Provvedimento attuativo del PR FSE + 2021/27;
- Visti i criteri di selezione delle operazioni da ammettere al cofinanziamento del Fondo Sociale Europeo Plus nella programmazione 2021-2027 della Regione Toscana approvati dal Comitato di sorveglianza del Programma il 18/11/2022;
- Vista la Decisione n. 2 del 19 giugno 2023 e ssmmii che approva il Sistema di Gestione e Controllo del PR FSE+ 2021/27;
- Vista la Deliberazione della Giunta Regionale n. 610 del 05/06/2023 che ai sensi dell'Articolo 17 comma 1, della LR 32/2002 ss.mm.ii., approva il "Regolamento (UE) 2021/1060 – PR FSE+ 2021-2027. Manuale per i beneficiari – Disposizioni per la gestione degli interventi oggetto di sovvenzioni a valere sul PR FSE+ 2021-2027;
- Visto il Programma Regionale di Sviluppo 2021-2025, adottato con Delibera di Giunta Regionale n.1392 del 07/12/2022;
- Visto l'articolo 64 del Regolamento (UE) 2021/1060 e dell'articolo 16 del regolamento (UE) 2021/1057 in materia di ammissibilità delle spese;
- Visto il DP.R. n. 22 del 5/02/2018 recante il "Regolamento sui criteri sull'ammissibilità delle spese per i programmi cofinanziati dai Fondi strutturali di investimento europei (SIE) per il periodo di programmazione 2014/2020" e s.m.i, a cui si fa riferimento nelle more dell'adozione della nuova norma nazionale in materia di ammissibilità delle spese per il periodo 2021-2027;
- Visti la Legge regionale 26 luglio 2002, n. 32 "Testo unico della normativa della Regione Toscana in materia di educazione, istruzione, orientamento, formazione professionale e lavoro." e ss.mm.ii. e il Decreto del Presidente della Giunta Regionale 8 agosto 2003, n. 47/R e ss.mm.ii., recante "Regolamento di esecuzione della L.R. 26.7.2002, n. 32";
- Visto il D.L. 30 aprile 2019, n. 34 (Misure urgenti di crescita economica e per la risoluzione di specifiche situazioni di crisi), convertito in L. n.58/2019, che prevede, per i soggetti di cui all'art. 35, specifici obblighi di pubblicazione delle informazioni relative a sovvenzioni, sussidi, vantaggi, contributi o aiuti, nei propri siti internet o analoghi portali digitali e nella nota integrativa al bilancio di esercizio e nell'eventuale consolidato;
- Vista la DGR 1321/2022 "Strategia regionale di specializzazione intelligente (S3) per il periodo di programmazione UE 2021/27;
- Vista la DGR 1510/2023 "Strategia di specializzazione intelligente 2021-2027. Piano di Lavoro 2024-25";
- Dato atto che nell'ambito del PR Toscana FSE+ 2021/27 e nel relativo PAD approvato con DGR 122/23 è ricompresa nell'Asse 2, l'attività 2.f.2. "Corsi di laurea e post laurea realizzati in rete";
- Richiamata la Delibera di Giunta Regionale n . 74 del 27 gennaio 2025 che approva gli elementi essenziali dell'avviso "PR FSE 2021/27 – Corsi di dottorato realizzati in rete ciclo XLI – Borse Pegaso 2025" destinando euro 6.000.000,00 alla sua attuazione.
- Dato atto che il contributo è soggetto a monitoraggio di spesa e rendicontazione da effettuare secondo le modalità e le scadenze del PR FSE 2021/27;
- Dato atto della somma assegnata alla Regione Toscana come da PR FSE 2021/27, approvato con Decisione della Commissione C(2022) n. 6089 del 19/08/2022, e da Piano attuativo di dettaglio (PAD) del PR FSE 2021/27 adottato con delibera della Giunta n. 122/2023, il

relativo accertamento di entrata sarà assunto sulla base di estrazioni periodiche e comunicazione ai singoli settori competenti sul bilancio finanziario gestionale 2025/27;

- Vista la Deliberazione della Giunta Regionale n.1 del 08/01/2025 con cui viene approvato il Documento Tecnico di Accompagnamento al Bilancio di Previsione 2025-2027 e del Bilancio Finanziario Gestionale 2025-2027.
- Dato atto che l'intervento è stato inserito nel cronoprogramma degli interventi da realizzare con il PR FSE 2021/27 nel 2025.

PHD PROGRAMME IN HISTORY
ACADEMIC YEAR 2025/2026 (41ST CYCLE)

Coordinator professor *Andrea Addobbat*

Department: Department of Civiltà e Forme del Sapere
(https://unimap.unipi.it/organizzazione/ente.php?d=429999@DIP)

IMPORTANT:	At the end of the selection process, additional PhD grants may be made available, by scrolling down the ranked list, if additional fundings become available within two months from the start date of the PhD activities. Any such increase in the number of PhD grants will be formalized through Rector's decrees published at https://www.unipi.it/bando2025-26/.

COMPETITIONS

PhD positions with grant No. 4

STORIA_01	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 2 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	2	University of Pisa	Historical topics in the broadest sense, both geographically and chronologically (from the ancient Near East and ancient Egypt, through the Greco-Roman world in classical antiquity, to the present day)

STORIA_02	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 1 of which		
	No.	**Financing institution**	**Research project / subject** (optional)
	PhD Grants		
	1	Department of Civiltà e Forme del Sapere of the University of Pisa, Department of Excellence 2023/2027	A sense in the disorder. Practising complexity

STORIA_03	**Outcome of the selection procedure:** Single ranking list for research project		
	PhD positions: No. 2 of which		

No.	Financing institution	Research project / subject (optional)
PhD Grants		
1	Istituto Domus Mazziniana	The history of democracy and republicanism from the age of revolutions to contemporary society, with particular attention to Mazzinianism in its various forms, including within the European and international context

N.B. With reference to all the above-mentioned selections, candidates who, by the application deadline, hold a permanent or fixed-term employment contract with a public institution with a duration at least equal to that of the PhD programme, can choose whether:
1. apply as a public employee, thereby automatically renouncing the PhD grant;
2. apply for a position with PhD grant, without declaring their status as public employee during the online application process;
In the first case, public candidates are required to declare their status during the online application process by selecting the relevant option in the drop-down menu available on the Alice platform https://www.studenti.unipi.it. They also upload a self-declaration attesting their employment with the public institution, attached to the call for applications (Attachment 1).
Candidates declaring their participation as public employees automatically RENOUNCE the PhD grant, and ranking dispositions specified in art. 5 of the current competition call will be applied. **Once this choice is done it is irrevocable and cannot be modified at a later time.**

The information below is valid for all selection procedures listed above.

ADMISSION REQUIREMENTS *(art 3 of the PhD competition call)*

Master's degree (second-cycle degree pursuant to Ministerial Decrees 270/2004, 509/1999, or pre-509/1999 system) **to be awarded by 31 October 2025: ALL**
or
an equivalent academic qualification pursuant to Ministerial Decree of 9 July 2009, **to be awarded by 31 October 2025.**
If the candidate has not yet obtained the degree, they must attach a transcript of records listing all completed exams and corresponding grades.

Please note: For this purpose, during the online application process, candidates are required to upload a self-declaration concerning the academic degree obtained or to be obtained, in accordance with Presidential Decree No. 445/2000, attached to the call for applications.

SELECTION CRITERIA *(art. 4 of the PhD competition call)*

Curriculum
The *curriculum*, signed and accompanied by a copy of a valid identification document, must be uploaded only during the online application process. The curriculum must include details of the applicant's educational background, professional experience, and research activities. **Candidates are strongly encouraged to submit any documents they consider relevant for the evaluation of their curriculum.**

Written examination
The written test will be aimed at assessing the academic prerequisites. The test may be taken in either Italian or English, at the candidate's choice. It will have to verify the candidate's ability to write a well-structured and argued text on a relevant historical theme, possibly dealing with the period considered in the research project.

Interview
The interview will assess candidates' knowledge, their research aptitude, willingness to undertake training activities both in Italy and abroad, and motivation for scientific inquiry. It must verify the organicity, feasibility and originality of the research project. The interview will include an assessment of knowledge of the English language.

Web conference SI
Candidates wishing to attend the interview via video conference are required to *upload* the VIDEO Attachment **exclusively during the online application process**. Selection Board will examine any request received after the

application deadline (July, 18th 2025), and will decide whether to accept them, considering the technical time required to organise the video conference interview.

Research project
to be evaluated along with the *curriculum* and illustrated during the interview
The research project, aimed at highlighting the candidate's planning and design skills, must be uploaded **during the online application process.** The research project must not exceed 15,000 characters (including spaces) and must include an essential bibliography (not included in the maximum number of characters).

Concorso STORIA02

The research project proposed by the candidate must be congruent with the topic of the Project entitled: 'A sense in disorder. Practising complexity". The aim of the project is to study how human beings develop strategies for living with disorder. Understanding **disorder** as one of the categories by which individuals narratively structure their historical becoming, the project aims to explore the ways in which **past societies** have dealt with what they interpreted as disorder, focusing on **the processes of establishment and contestation of norms**; and reflecting on the ways in which the environment and **the information society** challenge the human capacity to deal with complexity. For more information on the project 'A Sense in Disorder. Practising complexity', see the full documentation on the webpage: https://www.cfs.unipi.it/dipartimento/dipartimento-dieccellenza/progetto-di-eccellenza-2023-2027/.

Concorso STORIA03

For submitting the research project, it is useful to highlight that over the past two decades, studies on Giuseppe Mazzini have experienced a renewed wave of interest, initiated by the work of Salvo Mastellone, who emphasized the international dimension of Mazzini's thought. This has positioned him as one of the leading thinkers of nineteenth-century democracy, alongside figures such as John Stuart Mill, Alexis de Tocqueville, and Karl Marx.
Thanks to the contributions of scholars such as Martin Wight, Nadia Urbinati, Eugenio Biagini, and Christopher A. Bayly, Mazzini has been identified as the founding figure of the political tradition of "democratic patriotism" and of the "cosmopolitanism of nations"—a legacy later echoed in the twentieth century by figures such as Woodrow Wilson, Mohāndās Gāndhi, and Nelson Mandela. Another line of research—represented especially by the studies collected in the Annale Il Risorgimento della Storia d'Italia (Einaudi), edited by Paul Ginsborg and Alberto Mario Banti, as well as in the volumes Le guerre degli Italiani, directed by Mario Isnenghi—has emphasized Mazzini's central role, beyond the contingent failure of his political projects, in shaping the language of "national-patriotic" discourse. This discourse became a crucial element not only in the success of the Italian Risorgimento, but also in affirming the idea of the nation as a principle of legitimacy for the new states that emerged from the collapse of the major composite empires between the 19th and 20th centuries. Finally, other scholars highlighted Mazzini's importance within the tradition of Western republican political thought and, more broadly, in the development of a public ethics which can reconcile individual progress with the needs of the community.
Taking the cue from these areas of research, as well as from classical historiography on the subject, the proposed research may develop in several directions: by contextualizing Mazzini's thought and actions within the broader international framework of the democratic revolutionary movements that arose across the transatlantic world from the second half of the eighteenth century onward; by exploring the long-standing political and cultural traditions that influenced Mazzini and within which his ideas can be situated; and by analysing the political and cultural movements that, throughout the 19th and 20th centuries, have—in various ways—drawn inspiration from or engaged critically with Mazzini's ideas and legacy.

	Minimum grade	Maximum grade
Curriculum	21	30
Candidates who have obtained a score of at least 21 out of 30 points are admitted to the written test.		
Written examination	21	30
Candidates who have obtained a score of at least 21 out of 30 points are admitted to the interview.		
Interview	35	50
Eligibility for inclusion in the final ranking list is achieved with a minimum score of 77 out of 110 points.		

EXAM SCHEDULE
Tests will take place in the period **between July, 23rd and August, 1st 2025** and **between August 25th and September, 10th 2025.**
For each one of the selections, test schedule will be published **by July 10th, 2025** on https://www.unipi.it/bando2025-26/, including information on the examination venue.

RANKING LIST AND ENROLLMENT
Article 5 of the call for applications outlines:
- the procedures for drawing up the ranking list
- publication date of the ranking list
- procedures and deadlines for enrollment
- procedure and deadlines for reallocating ranking list positions in case of withdrawal or non-enrollment.

INFO ON THE PHD PROGRAMME

Overview and objectives:
https://www.unipi.it/didattica/corsi/dottorati/scienze-umanistiche/storia/

Website:
https://dottorato.unipi.it/index.php/it/home-ita/item/23.html

PhD Programme regulations:
http://alboufficiale.unipi.it/wp-content/uploads/2018/11/Storia.pdf