

ANNEX 1

MACRO-AREA OF SCIENCE AND TECHNOLOGY

PhD COURSE

IN BIOENGINEERING, BIOINFORMATICS AND HEALTH TECHNOLOGIES

LOCATION: Department of Electrical, Computer and Biomedical Engineering

COORDINATOR: Prof. Riccardo Bellazzi

DURATION: 3 years

RESEARCH TOPICS: bioinformatics, biomedical informatics (including artificial intelligence techniques applied to biomedical data), modeling of biological systems, biomedical technology (including advanced methods of signal and image analysis in multimodal contexts), computational biomechanics (including fluidodynamics), biological tissue engineering, biomaterials, synthetic biology.

ADMISSION PROCEDURE: qualifications assessment and interview.

Candidates are allowed to take the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

Candidates who wish to compete for topic-related scholarships must state their interest before the beginning of the interview, **except for the scholarship on "Engineering Advanced Materials and Technologies for Dynamic Models via In Silico/In Vitro Design" for which candidates will have to select, during the online application, the category 982.**

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 15 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. motivation letter in Italian or English language (max 500 words) (up to 1 point);
- b. research project either in Italian or in English (max. 1500 words, bibliography not counted), related to PhD research topics. The project's structure should be as follows: short general introduction about the state of the art relative to the chosen topic; presentation of the research's objectives; discussion of the expected results; evaluation of the theoretical and/or practical implications (up to 5 points);
- c. exams taken during the candidate's degree courses, bearing the mark (up to 6 points);
- d. scientific publications (up to 1 point);
- e. *curriculum vitae* (up to 2 points).

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 8/15.

The results of the qualifications assessment will be published online no later than **September 3, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: September 11, 2025, at 9:30 (CET), “Aula Seminari verde” of the Department of Electrical, Computer and Biomedical Engineering - Floor D - Via Ferrata n. 5 – Pavia.

The research project will be discussed during the interview and is meant to verify the candidate's aptitude towards research. It will not be binding if the candidate is admitted onto the PhD course.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFO: <http://phdbb.unipv.eu/site/en/home.html>

The PhD course involves the following programs:

1. Biomedical informatics
2. Diagnostic, therapeutic and rehabilitative bioengineering
3. Cell and tissue bioengineering.

PHD COURSE

IN COMPUTATIONAL MATHEMATICS, LEARNING, AND DATA SCIENCE

LOCATION: Department of Mathematics “F. Casorati”

COORDINATOR: Prof. Stefano Gualandi

DURATION: 3 years

COOPERATING INSTITUTIONS: Università della Svizzera Italiana (USI), Bruno Kessler Foundation

The PhD student funded by Fondazione Bruno Kessler will perform the PhD activities at the Fondazione. The main location of the other PhD students will be the Università degli Studi di Pavia.

PhD students will have to spend a mobility period at the Università della Svizzera Italiana of at least six months over the three years. In the case of the PhD student funded by Fondazione Bruno Kessler, the mobility period at USI will be mandatory provided that it is required by the educational program of the student.

The PhD degree will be jointly conferred by the Rector of the University of Pavia and the Rector of the Università della Svizzera Italiana (USI), except for the PhD student funded by FBK, in case he/she has not spent a mobility period at USI.

RESEARCH TOPICS:



Computational Mathematics

- **Mathematical Analysis and Modeling:** partial differential equation models and applications, functional analysis, nonlinear analysis, variational models and methods, calculus of variations
- **Numerical Analysis and Scientific Computing:** numerical methods for ordinary and partial differential equations (finite elements, spectral elements, isogeometric analysis), approximation of data and functions, numerical linear algebra, parallel and distributed computing, numerical simulation
- **Optimization and Operational Research:** Optimization methods, convex, integer, quadratic, and nonlinear programming, optimization algorithms, Control Theory
- **Biomathematics and computational medicine:** mathematical and numerical modeling in Biology, Physiology, Neurosciences, Cardiology, Epidemiology

Machine Learning, Deep Learning

- **Machine Learning:** Algorithms for Machine Learning and Statistical Learning
- **Deep Learning:** Artificial Neural Networks, mathematical and computational aspects; Physics-Informed Neural Networks, Deep Operator Networks
- **Data Science and Artificial Intelligence:** Methodologies for integration, reproducibility, and interpretability of models; generative models for constructing synthetic data in medicine
- **Computational Intelligence:** applications in Life Sciences, Neuroimaging, Cardiology, Epidemiology.

Health Data Science and Statistical Learning:

- **Data Science for Health:** Data Science methodologies and predictive, interpretable, and reproducible machine learning and statistical deep learning models for Medicine and the Life Sciences.
- **Multivariate Statistics:** Structural equation models, graphical models, causal structure discovery (learning), network and path analysis applied to genomic, genetic, and neuroimaging data.
- **Statistics and Genetic Epidemiology, Bioinformatics:** Design and analysis of genetic, epigenetic, gene expression, and sequencing studies for the study of complex and rare diseases, using case-control studies or family studies. Frequentist and Bayesian approaches to causal inference.
- **Medical Statistics:** Application and development of data science models for randomized clinical trials and observational epidemiological studies in the fields of medicine, biology, and psychology.

Computational Physics:

- **Mathematical Physics:** kinetic theory, granular media, statistical mechanics, diffusion equations, hyperbolic systems, socio-economic modeling
- **Computational Physics and Biophysics:** mathematical and computer methods in Elementary Particle and High Energy Physics, Monte Carlo methods, quantum computing, biophysical models and Monte Carlo methods in Radiotherapy and Hadrotherapy.



A more detailed description of the research carried out in this PhD program is available at <http://compmat.unipv.it/>. For details about research activities, see:

- Department of Mathematics of the University of Pavia: <http://matematica.unipv.it/>
- Department of Brain and Behavioral Sciences of the University of Pavia: http://dbbs.unipv.it/ricerca_biostatistica_neurofisiologia_psichiatria e <https://mastergds.it/>
- Institute of Computational Sciences, USI: <https://www.ics.usi.ch>
- Bruno Kessler Foundation: <https://ict.fbk.eu/areas/data-science>

ADMISSION PROCEDURE: qualifications assessment and interview via videoconference. Candidates are allowed to take the interview in English.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 15 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- letter of intent written in English (max 2000 words) including the research project to be carried out during the PhD course. This will not be binding if the candidate is admitted to the PhD program: **up to 3 points**
- exams taken during the candidate's master's degree course: **up to 4 points**
- a maximum of 1 reference letter, issued and submitted directly by a professor from the university where the applicant's degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referee who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee: **up to 2 points**
- abstract of the Master thesis, if available (max 1000 words), publications and preprints. Concerning publications and preprints, candidates may also send an abstract and indicate a DOI (Digital Object Identifier), or otherwise provide a link to a web repository. Only publications from the last 5 years that are congruent with the research topics of the PhD course will be considered: **up to 2 points**
- curriculum vitae*: **up to 4 points**.

Except for the reference letter, the qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 10/15.

The results of the qualification assessment will be published online no later than **July 14, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: July 16, 2025, via videoconference, starting from 9:00 CET.

The interview will be held in Italian or English and will verify the candidate's knowledge of English. The interview will concern the main topics covered by the PhD course and will include a



short presentation of the research project meant to verify the candidates' aptitude towards research. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: <http://compmat.unipv.it/>

DETERMINATION OF THE UNIVERSITY AFFILIATION

Once the ranking list has been determined, selected candidates will be asked to express their preference regarding the location of their PhD activities, between the University of Pavia and the Fondazione Bruno Kessler. The Academic Board of the PhD course will then assign the students' location based on the candidates' preference, until the PhD positions at one of the two locations have all been attributed. Then, the remaining PhD students will be assigned the positions at the other location, irrespective of their indicated preference.

PhD COURSE

IN DESIGN, MODELING, AND SIMULATION IN ENGINEERING

LOCATION: Department of Civil Engineering and Architecture

COORDINATOR: Prof. Ferdinando Auricchio

DURATION: 3 years

RESEARCH TOPICS: Civil Engineering, Hydraulic Engineering, Building Engineering and Architecture, Computational Mechanics, Industrial Engineering, Applied Mathematics, Materials Engineering.

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to take the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

Candidates who wish to compete for topic-related scholarships must state their interest before the beginning of the interview.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. exams taken during the candidate's degree courses, bearing the marks: up to **5 points**
- b. abstract of the master thesis, scientific publications, preprints: up to **2 points**
- c. *curriculum vitae*: up to **3 points**.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 7/10.

The results of the qualifications assessment will be published online no later than **September 16**,

2025. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: September 19, 2025, at 9:30 (CET), Aula MS1 of the Department of Civil Engineering and Architecture – Via Ferrata n. 3, Pavia.

The interview will concern the main topics covered by the PhD course.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document and to state for which scholarships they wish to apply. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: <http://phd.unipv.it/phd-program-in-design-modeling-and-simulation-in-engineering/>

The PhD course involves the following programs:

- a. Civil Engineering and Architecture – tracks: i) Structures and Materials; ii) Hydraulic, Environment & Energy Engineering; iii) Building Engineering/Architecture
- b. Computational Mechanics.

PhD COURSE IN PHYSICS

LOCATION: Department of Physics

COORDINATOR: Prof. Daniela Marcella Rebuzzi

COOPERATING INSTITUTION: National Institute for Nuclear Physics - INFN

DURATION: 3 years

TOPICS: Nuclear and subnuclear physics, theoretical and mathematical physics, condensed matter physics (including experimental and theoretical solid-state physics, optics and photonics, quantum information), interdisciplinary and applied physics (biomedical physics, energy, ICT-Information and communication technology).

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to take the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

Candidates who wish to compete for one of the topic-related scholarships must state their interest before the beginning of the interview.

The candidates' qualifications must, in the judgement of the examining committee, meet the standards of a solid application story. Subsequently, the preparation of the applicants is evaluated in an interview, whose purpose is to assess the student's ability, creativity, and potential for successful completion of the PhD course in Physics.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

1. exams taken during the candidate's degree courses, bearing the marks: up to **4 points**
2. Master's degree thesis, publications and professional experience. A summary of the thesis of max. **8000 characters (including spaces) and max. 1 figure** must be attached to the application. Publications and similar documents must be attached to the application in their complete version: up to **2 points**
3. outline of the research project (max. **10000 characters, including spaces, and max. 1 figure**), in Italian or English. This will not be binding if the candidate is admitted onto the PhD course: up to **2 points**
4. a maximum of 2 reference letters, issued and submitted directly by professors from the university where the degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referees who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, these letters must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate themselves will not be evaluated by the committee: up to **2 points**.

Candidates will also enclose their curriculum vitae.

Except for the reference letters, the qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 6/10.

The results of the qualifications assessment will be published online no later than **July 15, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: July 28 and 29, 2025, at 9:00 (CET), Physics Department "A. Volta", Via Bassi n. 6, Pavia. The interview will concern the main topics covered by the PhD course and the research project.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: <http://www-2.unipv.it/dottorati/scienzeetecnologie/fisica/index.php>

The PhD course involves the following programs:

1. Physics of Fundamental Interactions
2. Condensed Matter
3. Interdisciplinary and Applied Physics.

PhD COURSE
IN ELECTRONICS, COMPUTER SCIENCE AND ELECTRICAL ENGINEERING
(Industrial PhD course)

LOCATION: Department of Electrical, Computer and Biomedical Engineering

COORDINATOR: Prof. Ilaria Cristiani

DURATION: 3 years

COOPERATING COMPANIES: Bright Solutions srl

RESEARCH TOPICS: Photonics and Microwave Technologies, Space Communications Systems, Computer Engineering (Cyber-physical Systems, Artificial Intelligence, Artificial Vision), Automation, Electrical Engineering, Mechatronics and Robotics.

Eight programs are provided, including an international program in cooperation with the Lodz University of Technology, Polonia.

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to take the interview in English.

Candidates who wish to compete for topic-related scholarships must state their interest before the beginning of the interview.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. degree marks of both the bachelor's and master's degree. If the master's degree hasn't been attained yet, the marks obtained during the master's degree course will be considered, provided that at least half of the total credits required for the master's course have been achieved by the date of the application submission: **up to 6 points**
- b. publications: **up to 1 point**
- c. *curriculum vitae*: **up to 1 point**
- d. 2 reference letters, issued and submitted directly by professors from the university where the degree was awarded or by other professors/researchers who have had direct contact with the applicant. The Committee will assess the relevance of what is declared in the letter, the scientific reputation of the person signing the letter and the number of letters submitted. During the online application, the candidate will enter the contact data of the chosen referees who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate themselves will not be evaluated by the committee: **up to 2 points**.

Except for the reference letters, the qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 6/10.

The results of the qualifications assessment will be published online no later than **September 5, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: September 11, 2025, at 9:30 (CET), via videoconference.

Candidates will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

Up to 30 points are assigned upon assessment of the interview.

INFORMATION: <https://phdieie.unipv.it/>

The PhD course involves the following programs:

1. Photonics
2. Microwave Technologies
3. Telecommunications
4. Cyber Physical Systems
5. Artificial Intelligence and Computer Vision (including the topic on Financial Technologies, FinTech)
6. Automation
7. Electrical Engineering (in cooperation with Lodz University of Technology, Poland)
8. Mechatronics and Robotics.

**PhD COURSE
IN CHEMICAL AND PHARMACEUTICAL SCIENCES,
AND RELATED INDUSTRIAL INNOVATION**

LOCATION: Department of Chemistry

COORDINATOR: Prof. Giorgio Colombo

DURATION: 3 years

RESEARCH TOPICS:

Chemistry: Green Chemistry; Asymmetric synthesis, Computational methods in bio-inorganic systems; Ligands for nucleic acids; synthesis of biologically active compounds via pericyclic reactions; Polymers for energetics; Supramolecular devices; Functional nanomaterials; Surfaces with molecular monolayers; Adsorbants and solid catalysts for analytical applications; Biomimetic chemosensors; Materials for stone/wood supports; Structures/properties of metallo-enzymes; Photochemistry, C-H activation; Development of new generation perovskite based solar cells/Fabrication and characterization of perovskite based solar cells/Physico chemical characterization of nanostructured materials; Analytical Chemistry applied to forensic sciences;

Electroanalytical chemistry; Adsorbents, Solid Catalysts; Optical sensors for analytical applications.

Pharmaceutical sciences: Identification of novel neuroprotective and anticancer drugs; macromolecule immobilization; Nutraceuticals from agri-food waste: isolation, characterization, bioactivity and bioaccessibility studies; Study of Molecularly Imprinted Polymers-biological target interactions; Development of innovative supports for analytical applications in the pharmaceutical field; LC-MS for the characterization of proteins of pharmaceutical interest; Drug discovery from plants; New site-specific therapeutic systems, development of scaffolds for tissue repair (cutaneous, tendon-osteoarticular, central and peripheral nervous system and tubular organs); Development of nanoparticulate protein systems for the active delivery of drugs and for anticancer immunotherapy; Development of medicines based on mesenchymal stem cell derivatives for regenerative medicine and drug delivery; Development of medicinal products for advanced therapies, somatic cell therapy and tissue engineering.

Industrial innovation: Scale-up of products and processes in the chemical and pharmaceutical fields; development of formulation strategies in pharmaceutical industry.

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to have the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

Candidates who wish to compete for topic-related scholarships must state their interest before the beginning of the interview.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 15 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

1. arithmetic average of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves; in the case of degree obtained in a foreign institution, the committee will use the ECTS grading tables: up to **9 points**
2. *curriculum vitae et studiorum*: up to **3 points**
3. motivation letter, either in Italian or English (max 1000 characters, spaces included), along with / including a research project developed by the candidate (max 3000 characters, spaces included; max 2 figures), either in Italian or English: up to **3 points**. The project, which will not be binding if the candidate is admitted onto the PhD program, must contain a general introduction about the state of the art on the topic, a presentation of the research objectives, a discussion of the expected results as well as an evaluation of the theoretical and/or practical implications.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 9/15.

The results of the qualifications assessment will be published online no later than **July 23, 2025**. The results will be posted on the Chemistry Department noticeboard and in the Personal Area of

the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: starting from September 9, 2025, at 9:00 (CET), at the Department of Chemistry – Aula CG3 (General Section) – Viale Taramelli n. 12 – Pavia.

The interview will concern the topics covered by the PhD course and may include a discussion on the candidates' experimental thesis and/or on the research project, in order to assess their aptitude and potential.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: please contact the PhD Coordinator Prof. Giorgio Colombo: phd.cfi@unipv.it

PhD course involves the following programs:

- a. Chemistry
- b. Pharmaceutical Sciences
- c. Industrial Innovation.

PHD COURSE IN EARTH AND ENVIRONMENTAL SCIENCES

LOCATION: Department of Earth and Environmental Sciences

COORDINATOR: Prof. Andrea Mondoni

DURATION: 3 years

RESEARCH TOPICS:

- Mechanisms of evolution and maintenance of alternative strategies in a polymorphic species – *cat. 989*
- Dry-acidic alluvial vegetation dynamics of the western Po Plain in a functional traits perspective: implications for ecological restoration - *cat. 989*
- Preventing marine bioinvasions under a changing climatic scenario - *cat. 989*
- Origin and Localization of Garnet-Rich Layers in the Continental Crust: Geochemical Insights and REE Potential - *cat. 989*
- The fungal component in relict populations of *Pinus mugo* Turra sensu lato in the perspective of the climate change - *cat. 989*
- The use of AI in Digital Outcrop Modelling: from litho-stratigraphical to structural geological analysis - *cat. 989*
- Evolutionary disentanglement of hybridization and introgression dynamics in *Hieracium* apomictic polyploid species complex - *cat. 989*



- Data-driven modeling of soil water content and pore water pressure for landslides prediction - *cat. 989*
- Tomato landraces in response to climate change - *cat. 989*
- The manufacturing of medieval glass in Liguria: raw materials, recipes, know-how - *cat. 989*
- Nature-Based Solutions to prevent soil degradation: monitoring and environmental impact assessment - *cat. 989*
- Interaction of axial and transverse fluvial systems: sedimentary record and implications for subsurface characterization - *cat. 989*
- Plio-Pleistocene tectonic and climatic effects on the groundwater resources in the Po
- Plain along the Southern Alps boundary - *cat. 989*

ADMISSION PROCEDURE: qualifications assessment and interview via videoconference. Candidates are allowed to take the interview in English.

Candidates who wish to compete for one of the topic-related scholarships must state their interest before the beginning of the interview.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

1. arithmetic mean of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: up to **5 points**
2. research project and qualifications: up to **5 points**. The research project (max 5000 characters, spaces included), in Italian or English, must concern one of the research topics included in the PhD course. The project is meant to verify the candidate's aptitude towards research. It will not be binding if the candidate is admitted onto the PhD course. The qualifications include research and development activity for public and private institutions, scientific publications, postgraduate scientific education (internships, training courses, participation in conferences).

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 5/10.

The results of the qualifications assessment will be announced no later than **July 18, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided during registration.

INTERVIEW: July 28, 2025, starting at 9:30 (CET), via videoconference.

The interview will be held in Italian or English and will be an opportunity to verify the candidate's knowledge of English. The interview will consist of a short presentation of the research project (max 15 minutes; the use of technological support such as slides is encouraged) that is designed to verify the candidate's aptitude towards research. The research project presented by the candidate will not, in any way, be binding if the candidate is admitted onto the PhD course. More details on research topics are available at the following website: <http://phd-dsta.unipv.it/>.

Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFO: <http://phd-dsta.unipv.it>

MACRO-AREA OF LIFE SCIENCES

PhD COURSE

IN GENETICS, MOLECULAR AND CELLULAR BIOLOGY

LOCATION: Department of Biology and Biotechnology "Lazzaro Spallanzani"

COORDINATOR: Prof. Davide Sassera

DURATION: 3 years

RESEARCH TOPICS:

- Functional and population genomics of humans and animal species, archaeogenomics and epigenomics.
- Molecular and cellular bases of hereditary and complex disorders, aging, cell and organ differentiation and development, evolutionary mechanisms.
- DNA replication and repair, transcription, regulation of gene expression.
- Microorganisms and viruses of clinical and biotechnological relevance. Interactions between prokaryotes and eukaryotes.
- Biotechnological and molecular approaches for the improvement of crop species.
- Functional and structural characterization of potential targets for pharmacological drugs, development of therapeutic molecules and study of mechanisms of action.

For further information please visit <https://dbb.dip.unipv.it/en/education/post-graduate-programs/phd-programs/phd-program-genetics-molecular-and-cellular-biology-1>

ADMISSION PROCEDURE:

- Candidates applying for the positions labeled as cat. **989** (regular positions and position with scholarship "Facing Global Challenges") are selected through **qualifications assessment and tests (written and oral test)**.
- Candidates applying for the position labeled as cat. **982** (topic-related scholarships) are selected through **qualifications assessment and interview**.

The topic-related scholarships (cat. 982) are the following:

- Structural and biophysical studies (NMR and cryo-EM) of the ternary complex HMGB1-CXCL12-CXCR4

- Development of innovative GM-based technologies for the control of the agricultural pest *Drosophila suzukii*.

Candidates are allowed to take the tests in English.

It is not possible to apply for more than one category.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT FOR CANDIDATES APPLYING FOR REGULAR POSITIONS AND POSITION WITH SCHOLARSHIP "FACING GLOBAL CHALLENGES" (CAT. 989): UP TO 10 POINTS ARE ASSIGNED, AS FOLLOWS:

- reference letters (up to two) in Italian or English, issued and submitted directly by professors from the university where the degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referee who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee: **up to 1 point**
- scientific publications. Only publications from the last 5 years that are congruent with the research topics of the PhD course will be considered: **up to 1 point**
- arithmetic means of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: **up to 7 points**
- curriculum vitae*. Significant vocational experiences, such as contracts, research grants, and courses on relevant and high-profile topics, will be considered: **up to 1 point**.

QUALIFICATIONS ASSESSMENT FOR CANDIDATES APPLYING FOR TOPIC-RELATED SCHOLARSHIPS (CAT. 982): UP TO 10 POINTS ARE ASSIGNED, AS FOLLOWS:

- research project: the quality of the project as well as its consistency with the scholarship topic will be considered: **up to 5 points**
- reference letters (up to two) in Italian or English, issued and submitted directly by professors from the university where the degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referee who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee: **up to 1 point**
- scientific publications. Only publications from the last 5 years that are congruent with the research topics of the PhD course will be considered: **up to 1 point**
- arithmetic means of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: **up to 2 points**
- curriculum vitae*. Significant vocational experiences, such as contracts, research grants, and courses on relevant and high-profile topics, will be considered: **up to 1 point**.

Except for the reference letters, the qualifications must be submitted according to the procedure described in art. 5, para. 2 of this call for applications.

WRITTEN TEST (for candidates applying for cat. 989 only): September 2, 2025, at 9:30 (CET), Aula "Jucci" of the "Golgi-Spallanzani" building - Via Ferrata n. 9 – Pavia.

INTERVIEW (for candidates applying for cat. 989 only): September 4, 2025, at 9:00 (CET), Aula "Jucci" of the "Golgi-Spallanzani" building - Via Ferrata n. 9 – Pavia.

INTERVIEW (for candidates applying for cat. 982 only): September 5, 2025, at 9:30 (CET), Aula "Jucci" of the "Golgi-Spallanzani" building - Via Ferrata n. 9 – Pavia.

For the interview of candidates applying for a topic-related scholarship, a company representative will be present to assist the work of the committee.

INFORMATION: <https://dbb.dip.unipv.it/it/didattica/post-laurea/dottorati-di-ricerca/dottorato-di-ricerca-genetica-biologia-molecolare-e> > admission procedures.

**PhD COURSE
IN EXPERIMENTAL MEDICINE
(Industrial PhD course)**

LOCATION: Department of Internal Medicine and Medical Therapeutics

COORDINATOR: Prof. Stefano Perlini

DURATION: 3 years

COOPERATING COMPANY: Fondazione IRCCS Policlinico San Matteo, Pavia

RESEARCH TOPICS: general medicine, medical therapy, experimental surgery, microsurgery, anesthesiology, biomedical technologies, bioethics-noetics in surgical patients.

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to take the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

LINGUISTIC KNOWLEDGE: candidates' knowledge of the English language will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. *curriculum vitae*: up to **4 points**
- b. former periods of proven research activity at Italian or foreign scientific institutions: up to **3 points**
- c. published full papers in peer reviewed medical journals: **up to 3 points**.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 6/10.

The results of the qualifications assessment will be announced no later than **September 4, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided during registration.

INTERVIEW: September 11, 2025, at 15:00 (CET), at Aula 0.11 Campus della Salute, c/o Fondazione I.R.C.C.S. Policlinico San Matteo – Viale Golgi n. 19 - Pavia.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: <http://phdms.unipv.eu>

The PhD course involves the following programs:

- a. Internal medicine and medical therapeutics
- b. Experimental surgery and microsurgery.

PhD COURSE IN PSYCHOLOGY

LOCATION: Department of Brain and Behavioral Sciences

COORDINATOR: Prof. Gabriella Bottini

DURATION: 3 years

RESEARCH TOPICS: Psychology, Cognitive Neurosciences, Neuropsychiatric disorders.

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to take the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. motivation letter in Italian or English (max 500 words): up to **1 point**
- b. maximum of 2 reference letters issued and submitted directly by professors from the university where the degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referee who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee: up to **1 point**



- c. research project in Italian or English (max. 3000 words), related to PhD research topics. The project's structure must be novel and original and must be written as follows: 1) general introduction about the state of the art relative to the chosen topic; 2) presentation of the research objectives, including a clear definition of the research hypothesis; 3) description of the materials and methodology (with a particular focus on the experimental procedure and the statistical data analysis); 4) discussion of the expected results with evaluation of the theoretical and/or practical implications of the research project. In any case, the project will not constitute a binding work program in case of admission to the PhD course: up to **5 points**
- d. arithmetic mean of the marks obtained in the exams taken during the candidate's degree courses: up to **3 points**. For students with qualifications obtained abroad, a transcript of the grades is required, showing:
 - i. the arithmetic average of the exams obtained for each course of study
 - ii. the minimum grade for sufficiency and the maximum grade in the university of origin.

A *curriculum vitae* is also required, which will not be considered for assessment.

Except for the reference letters, the qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 7/10.

The results of the qualifications assessment will be published online no later than **July 15, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: July 17, 2025, starting from 8:30 (CET), "Sala Riunioni", Department of Brain and Behavioral Sciences (Psychology section), Piazza Botta n. 11, Pavia.

The interview will be held either in Italian or English. If the interview is held in Italian, the Committee will verify the candidate's knowledge of the English language through the reading and translation of a short text taken from an essay or scientific article. The candidate will be asked to describe the content and methodology of the research project submitted, as well as the reason why he/she is willing to undertake a doctoral course. The interview will take into consideration the candidate's disciplinary orientation, in particular for what concerns the research methodology in the field of behavioural, biomedical and instrumental sciences.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: phd-pnds.unipv.eu

The PhD course involves the following programs:

1. Cognition and Neuroscience
2. Developmental and Applied Psychology



UNIVERSITÀ DI PAVIA
Area Ricerca
e Terza Missione

**PhD COURSE
IN PUBLIC HEALTH AND LIFESTYLE**

LOCATION: Department of Public Health, Experimental and Forensic Medicine

COORDINATOR: Prof. Cristina Montomoli

DURATION: 3 years

RESEARCH TOPICS:

Biostatistics methods for biomedicine and public health: environmental exposures and health in the general population. Environmental exposures and genetic susceptibility in chronic-degenerative diseases. Health indicators. Spatio-temporal evaluation models and predictive models of health determinants.

Research methodology in public health: design and analysis of observational and experimental studies. Models of statistical analysis for the identification of the population's health needs and for the evaluation of diagnostic tools, therapeutic interventions and health and social care.

Hygiene and Preventive Medicine: public health and community medicine, preventive medicine, rehabilitation and social medicine, primary prevention, secondary prevention and screening, tertiary prevention, prophylaxis, surveillance, environmental hygiene, workplace and school hygiene, food hygiene, health education and communication, health promotion.

Health Organization: epidemiology of services, analysis of current flows and health needs, evaluation of performance, population health, analysis of health policies and systems, impact and health technology assessment, planning and management of health services, international health and global health.

Work environments that promote health: research and application of factors that allow to lead healthy lifestyles, in order to prevent chronic non-communicable diseases (cardiovascular, musculoskeletal and chronic-degenerative) in economically active populations and to bring about a close integration with Total Workers Health (TWE) projects.

Industrial medicine and industrial hygiene: scenarios and determinants of work-related neoplastic and neurodegenerative diseases; exposure through environmental measures and biological monitoring, specifically focused on emerging risk factors in the workplace, by providing predictive and preventive models of health damage.

Forensic Medicine: forensic pathology and forensic histopathology; forensic medicine and forensic examinations on living persons; in particular, study of the causes of death and disability and their relation to diseases and conditions that can be prevented through lifestyle actions.

Forensic Sciences: use and abuse markers of psychotropic substances and study of their effects on quality of life. Genetic markers related to drug or substance abuse response. Study of lifestyle-related epigenetic effects.

Histology and Embryology: assessment of morphological changes in cells and tissues in response to exposure to diverse environmental factors (chemical-physical, psychological). Use of regenerative medicine/tissue engineering technologies for the regeneration of organs and tissues damaged by disease, trauma or incorrect lifestyles.

Dietetics and Human Nutrition: food security, food safety, sustainability of food models and systems, nutritional surveillance, food behavior, food education and dietary principles for different ages and physiological conditions of life (child, adult, elderly, pregnant, breastfeeding, sports).

Clinical Nutrition: assessment of the nutritional status and body composition in pathophysiological condition, pathophysiology and clinical nutrition, principles of diet therapy applied to diseases, functional foods, diets for special medical purposes and nutraceutical products, lifestyle medicine, personalized and precision nutrition.

Physical activity for the promotion of well-being, prevention and treatment of non-communicable diseases: study of the effectiveness of different paradigms and methodological approaches to research and intervention, necessary for the prevention and recovery of psychophysical well-being and health both in the healthy people and in the ones affected by non-communicable diseases.

Sports performance: study of different paradigms and methodological and technological approaches to research and intervention, useful for the study, the organization and planning of application and innovative projects aimed at the optimization of the training process and the maintenance/ improvement of athletes' performance and health.

ADMISSION PROCEDURE: qualifications assessment and interview.

Candidates are allowed to take the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

LINGUISTIC KNOWLEDGE: candidates' knowledge of the English language will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. arithmetic mean of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: up to **2 points**
- b. scientific publications: up to **2 points**
- c. *curriculum vitae*: up to **6 points**. In particular, relevant research, training or professional experiences (internships, research grants, scholarships, relevant work experiences, attendance of Italian Master courses, attendance of specialization schools) will be considered in addition to the topic of the master's degree thesis (or equivalent).

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 6/10.

The results of the qualifications assessment will be published online no later than **July 16, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: September 3, 2025, at 10:00 (CET), at Aula Seminari, Department of Public Health, Experimental and Forensic Medicine, via Forlanini 2, Pavia.

The interview will focus on the candidate's motivation to undertake a research career and on the skills possessed in the field of research methodology in public health. During the interview, the

Committee may also ask specific questions aimed at verifying the problem-solving skills of the candidates. Candidates must specify which research area they wish to compete for.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The results of the interviews will be published at phd-public-health.unipv.it, "Avvisi" section. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: phd-public-health.unipv.it

PhD COURSE IN BIOMEDICAL SCIENCES

LOCATION: Department of Brain and Behavioral Sciences

COORDINATOR: Prof. Antonio Pisani

DURATION: 3 years

RESEARCH TOPICS:

BIOCHEMISTRY TRACK:

Biochemical and immunological characterization of bacterial proteins, their role in infective process and possible vaccinal use.

Molecular bases of diseases associated to aging and amyloidosis; analysis of connective matrix in normal and pathological conditions; proteins of biomedical interest: functional and structural studies.

Generation and characterization of animal models of human diseases.

Biochemistry of human erythrocyte.

Pathogenic mechanisms of diseases related to protein-misfolding: biochemical markers.

Biochemical mechanisms of platelet production.

Identification of new biomarkers in biological fluids from patients affected by severe lung disorders and rare neurodegenerative diseases; analysis of bronchoalveolar lavage fluids from COVID-19 and chronic airways disease patients to investigate the role of proteases and associated inhibitors in extracellular matrix degradation.

Elucidation of the molecular mechanism of amyloid fibrils formation in vivo and in experimental models of the disease. Investigation of structure, folding/misfolding dynamics of amyloidogenic proteins. Mechanism of toxicity of amyloid fibrils in vivo.

PHARMACOLOGY TRACK:

Receptor pathology, metabolism and cell kinetic study; environmental toxicology; gastrointestinal pharmacology; clinical pharmacology of active drugs on the central nervous system.

Antineoplastic drugs pharmacology; transplant pharmacology; pharmacoepidemiology and pharmacoconomics of active drugs on the central nervous system, the cardiovascular system and gastrointestinal system.

Pharmacology and molecular mechanisms associated with neurodegenerative diseases, such as neuroinflammation; single-cell -omics and nanotechnology for precision medicine applications.

Environmental effects on the immune system; pharmacology of the signaling transduction systems in the neurologic, oncologic and immune system diseases.

Neurobiology and behavioral pharmacology of neurodevelopmental disorders.

PHYSIOLOGY TRACK:

Molecular and cellular physiology of the nervous system; cellular communication and plasticity in the cerebral circuits; physiology and biophysics of sensory, motor and cognitive functions; mathematical model of cells, circuits and brain; cellular communication in the cardiovascular system; physiology of the skeletal and cardiac muscles; physiology of the gastrointestinal system.

NEUROSCIENCE TRACK:

Neurodegenerative diseases; neuroimmunology; neuro-oncology; epilepsy and sleep; primary headaches; neurorehabilitation; experimental models of neurological diseases; neuroepidemiology and research methodology; neuroendocrinology and functional neurology; pediatric neuroscience.

MEDICINE TRACK:

Disciplines within the medical sciences (cardiology, hematology, pathology, pediatrics); translational fundamental and clinical research on human diseases.

Cardiology: molecular basis of inherited cardiomyopathies and arrhythmias.

Pediatrics: immunopathological bases of diseases in childhood.

Hematology: molecular basis of myeloid neoplasms and its clinical implications; recognition of the mechanisms of progression to neoplasm; integrated genomic DNA/RNA profiling of myeloid malignancies in the diagnostic setting, as well as the development of genomic classification and prognostic models.

Pathology: etiopathogenic role of viral infections and immunodeficiency-related conditions; molecular basis of extranodal lymphomas and its clinical implications; immunophenotypical characterization.

The PhD course in Biomedical Sciences is dedicated both to candidates graduated in scientific disciplines (for example Biology, Physics and Engineering) with an interest in basic and applied research to disease, and to candidates graduated in Medicine who choose the postgraduate doctoral training with the intent to acquire skills in the context of translational research. The mandatory training activity is intended to improve knowledge and skills required for understanding functional and pathological mechanisms using a multi-scale approach (molecular, cellular, systemic) and includes courses in mathematics, biophysics, computer science, physiology, biochemistry, pharmacology, pathology and therapy.

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to take the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

Candidates who wish to compete for topic-related scholarships must state their interest before the beginning of the interview.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. arithmetic mean of the scores obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: up to **4 points**
- b. *curriculum vitae et studiorum*: up to **2 points**
- c. scientific publications: up to **2 points**
- d. research project in Italian or English (max 3000 words), related to the PhD research topics. The project must be structured according to the template available at the following link: <http://phdbms.unipv.it/admission/>: up to **2 points**.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 6/10.

The results of the qualifications assessment will be published online no later than **September 3, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: September 16, 2025, at 9:30 (CET), Department of Brain and Behavioral Sciences (Room of the ex-Institute of General Physiology) - Via Forlanini n. 6 - Pavia.

The interview will be focused on the main topics covered by the PhD course and in particular the research project submitted by the candidate. The research project will not be binding if the candidate is admitted to the PhD program.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: <http://phdbms.unipv.it/admission/>

PhD COURSE IN TRANSLATIONAL AND PRECISION MEDICINE

LOCATION: Department of Molecular Medicine

COORDINATOR: Prof. Roberto Bottinelli

DURATION: 3 years

RESEARCH TOPICS:

“Basic research”: 1. Gene editing and potential applications; 2. Stem cells and tissue repair; 3. The cell biology of cancer; 4. Homeostasis: concept, mechanisms and examples; 5. Mechanisms and regulation of immunity; 6. Intercellular communication and cell signaling

“Clinical research”: 1. Cancer genetics; 2. Gastrointestinal inflammation and cancer; 3. Infections and immune response to pathogens; 4. Mendelian diseases; 5. Atherosclerosis and thrombosis; 6. Blood cancers

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview). Both tests will be held in English for all candidates.

Candidates are allowed to take the interview via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

Candidates who wish to compete for topic-related scholarships must state their interest before the beginning of the interview.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the written test and the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. arithmetic mean of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: up to **5 points**
- b. *curriculum vitae et studiorum*: up to **2 points**
- c. a maximum of 2 reference letters issued and submitted directly by professors from the university where the degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referee who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee: up to **2 points**
- d. scientific publications. Only publications from the last 5 years that are congruent with the research topics of the PhD course will be considered: up to **1 point**.

Except for the reference letters, the qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

WRITTEN TEST: September 3, 2025, at 9:00 (CET), “Aula A” of the Department of Molecular Medicine – Human Physiology, via Forlanini n. 6, Pavia.

Before the beginning of the written test, the Committee will draw a research topic from the “Basic research” category and a research topic from the “Clinical Research” category. Candidates will have one hour to write a short essay on one of the two selected topics. The written test aims to assess the knowledge of general topics and of great relevance to the research topics of the doctorate, clarity of exposition and the ability to summarize.

The results of the written test will be published by **September 5, 2025, at 13.00 (CET)** on the website of the Department of Molecular Medicine or communicated to the candidates via email. 30 points will be awarded for the written test.

INTERVIEW: September 9, 2025, at 9:00 (CET), "Aula A" of the Department of Molecular Medicine – Human Physiology, via Forlanini n. 6, Pavia.

The interview will focus on the presentation and critical discussion of a research project, chosen by the candidate, in which he/she has participated or intends to participate. In addition, the commission will test the motivation for scientific research also by discussing the candidate's scientific curriculum. The oral exam will serve to certify the candidate's aptitude for research activity. 30 points will be awarded for the interview.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFO: <https://medicinamolecolare.dip.unipv.it/it/didattica/post-laurea/dottorato-medicina-traslazionale-e-di-precisione>

MACRO-AREA OF HUMANISTIC AND SOCIAL SCIENCES

PhD COURSE

IN PRIVATE LAW, ROMAN LAW AND EUROPEAN LEGAL CULTURE

LOCATION: Department of Law

COORDINATOR: Prof. Umberto Stefini

DURATION: 3 years

RESEARCH TOPICS: Civil Law; Labour Law and Employment Relations; Commercial Law, Intellectual Property and Unfair Competition; Roman Law; European Legal Culture.

ADMISSION PROCEDURE: **qualifications assessment and tests (written test and interview).**

Candidates are allowed to take the tests in English. At the choice of the candidate, the written test will focus on one of the following topics: Civil Law; Labour Law and Employment Relations; Commercial Law, Intellectual Property and Unfair Competition; Roman Law; Legal History. During the interview, candidates will discuss the research project submitted along with the application.

LINGUISTIC KNOWLEDGE: candidates' knowledge of the English language will be verified during the interview.



QUALIFICATIONS ASSESSMENT AND RESEARCH PROJECT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS AND RESEARCH PROJECT, AS FOLLOWS:

- a. arithmetic mean of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: up to **4 points**
- b. scientific publications, excluding the master's degree thesis: up to **2 points**
- c. other relevant qualifications: up to **1 point**
- d. research project written in Italian, English, French or Spanish language (max 2000 words) indicating the research topic chosen by the candidate among those listed above. The project's structure should be as follows: general introduction about the state of the art relative to the chosen topic; presentation of the research objectives; description of the methods; discussion of the expected results; evaluation of the theoretical and/or practical implications: up to **3 points**.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

WRITTEN TEST: July 15, 2025, at 10:00 (CET), "Aula VI", Department of Law – C.so Strada Nuova n. 65, Pavia.

For the topics concerning the program in Private Law, Labour Law, Commercial Law and Intellectual Property, during the written test candidates will be allowed to consult codes without comments by scholars and without case law. For the topics concerning Roman Law and European Legal Culture candidates will be allowed to use the sources in the ancient languages (Latin or Greek): *Gai Institutiones*, *Corpus iuris civilis*, *Fontes iuris Romani antejustiniani* (etc.), *Glossa*, *Corpus Iuris Canonici* (etc.).

INTERVIEW: July 17, 2025, at 9:30 am (CET), "Aula III", Department of Law – C.so Strada Nuova n. 65, Pavia.

INFORMATION: <https://giurisprudenza.dip.unipv.it/en/education/post-graduate-programs/dottorati-di-ricerca/doctorate-private-law-roman-law-and-european>

The PhD course involves the following programs:

- a. Civil Law, Labour Law, Intellectual Property, Commercial Law
- b. Roman Law and European Legal Culture.

**PhD COURSE
IN PUBLIC LAW, CRIMINAL AND INTERNATIONAL JUSTICE**

LOCATION: Department of Law

COORDINATOR: Prof. Sergio Seminara

DURATION: 3 years



RESEARCH TOPICS: general theory, structure and dynamics of Italian and comparative public law; relationships between legal systems (international, European and national systems); administrative law; fundamental rights; constitutional law; citizenship and immigration law; environmental law; domestic and international criminal law; criminology; criminal procedure and enforcement; public and private international law; international organization; institutions of the European Union; judicial cooperation.

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview).

ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH A SCHOLARSHIP FROM A FOREIGN COUNTRY: 2. For these positions, candidates will be selected through a qualification assessment and an interview, which can be also taken via videoconference.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English, German, French or Spanish will be verified during the interview. Foreign candidates will also have to demonstrate adequate knowledge of Italian.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. arithmetic mean of the marks obtained in the exams taken during the candidate's degree courses, to be calculated and declared by the candidates themselves: up to **6 points**
- b. scientific publications: up to **4 points**.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

WRITTEN TEST: September 10, 2025, at 9:30 am (CET), at the Aula G2 – Polo San Tommaso - P.zza del Lino n. 2 - Pavia.

During the written test candidates will be allowed to consult codes without comments by scholars and without case law.

INTERVIEW: September 12, 2025, at 9:30 am (CET), at the Department of Law – Aula III – C.so Strada Nuova n. 65, Pavia.

INFORMATION: <https://giurisprudenza.dip.unipv.it/it/studiare/post-laurea/dottorati-di-ricerca/diritto-pubblico-giustizia-penale-e-internazionale>

The PhD course involves the following programs:

- a. Public law
- b. Criminal and international justice.

PhD COURSE IN ECONOMICS

LOCATION: Department of Economics and Management

COORDINATOR: Prof. Marcella Nicolini



UNIVERSITÀ DI PAVIA
Area Ricerca
e Terza Missione

COOPERATING INSTITUTION: University of Milano. The PhD degree will be jointly conferred by the Rector of the University of Pavia and the Rector of the University of Milano.

DURATION: 4 years

RESEARCH TOPICS: available at <https://economiaemanagement.dip.unipv.it/it/phd-economics/programme-description>

ADMISSION PROCEDURE: qualifications assessment and interview via videoconference.

LINGUISTIC KNOWLEDGE: the interview will be held in English.

QUALIFICATIONS ASSESSMENT: UP TO 15 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. *curriculum vitae*: up to **10 points**
- b. research project, drafted according to the template available at <https://economiaemanagement.dip.unipv.it/it/phd-economics/admission>: up to **5 points**.
The project is evaluated only for selection purposes and does not limit the choice of the topic of the PhD thesis in case of admission.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

In addition to the qualifications above, candidates must provide two reference letters, in Italian or English language, drafted according to the template available at <https://economiaemanagement.dip.unipv.it/it/phd-economics/admission> and submitted directly by professors from the university where the applicant's degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referees who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee. The reference letters are considered in the evaluation of the candidate's *curriculum vitae*, but do not give additional points.

The minimum score to be admitted to the interview is 7.5/15, divided as follows: at least 5 points for the *curriculum vitae* and at least 2,5 points for the research project.

The results of the qualification assessment will be published online by **July 17, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: July 21, 2025, at 10:00, via videoconference.

The aim of the interview is to verify the applicant's knowledge of topics germane to the educational and scientific contents of the doctoral program. The interview includes a seminar-style presentation of the proposed research project, followed by a general discussion to verify the applicant's expertise, scientific qualities and motivations.

Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: <https://economiaemanagement.dip.unipv.it/it/phd-economics>

**PHD COURSE
IN PHILOSOPHY**

LOCATION: Department of Humanities

COORDINATOR: Prof. Luca Fonnesu

DURATION: 3 years

COOPERATING INSTITUTION: Department of Antiquities, Philosophy, History (DAFIST) of the University of Genova; Department of Humanities of the University of Piemonte Orientale; Department of Philosophy and Education Sciences of the University of Turin.

The PhD degree will be jointly conferred by the Rector of the University of Pavia, the Rector of the University of Genova, the Rector of the University of Piemonte Orientale, and the Rector of the University of Torino.

RESEARCH TOPICS:

Curriculum of Ethics and Political Theory

Metaethics – Normative ethics - Ethical theory and applied Ethics - Bioethics - Political Philosophy - Theories of Justice - Theories of Democracy – History of ethics - History of political thought - Usefulness of philosophy in the understanding of the digital world

Curriculum of Mind, Science and Language

Philosophy of language and mind - Philosophy of Logic and Philosophy of Physics - Epistemology and philosophy of science - Causality, Perception and Cognizance - Psychology of reasoning - Philosophy of Cognitive Sciences - Analytical Ontology and Metaphysics - Contextualism and relativism - Philosophy of Frege, Russell and Wittgenstein - Usefulness of philosophy in the understanding of the digital world

Curriculum of History of Philosophical and Scientific Thought

History of Ancient, Medieval, Modern and Contemporary Philosophy - Philosophy of Illuminism - Classical German Philosophy - Relations between the history of philosophy, the history of scientific thought, in particular modern, and the history of medicine - Usefulness of philosophy in the understanding of the digital world

Curriculum of Theory: Phenomenology, Ontology and Hermeneutics

Aesthetics - Hermeneutics - Social Ontology - Collective Intentionality - Phenomenology - Theories of Perception, Imagination and Emotion - Interreligious dialogue - Philosophy of Art and of the New Media - Usefulness of philosophy in the understanding of the digital world

PLEASE NOTE: candidates, during the online applications, will have to state their preference for one of the four programs provided.

ADMISSION PROCEDURE: qualifications assessment and interview via videoconference.

Candidates who wish to compete for topic-related scholarships (cat. 982) must state their interest by mentioning the topic of the scholarship in the research project title.



The topic-related scholarships are:

- Conceptions of ecology in early modern philosophies, with particular attention to utopian literature or the notion of "pollution", also in the medical-physiological field
- **The circulation of astronomical knowledge in the Mediterranean world from late antiquity to the end of the Middle Ages.**

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 60 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- Graduation mark (or arithmetic mean of the marks obtained during the master's degree if the candidate has applied before the attainment of the second-level degree), index and abstract of the thesis (max 500 words), extract of the master's thesis (max 3000 words including bibliographic references): **up to 20 points**
- publications and other scientific titles: **up to 5 points**
- research project (max 3000 words) drafted by the candidate, consistent with the research topics of the PhD course: **up to 30 points**
- two reference letters, in Italian or English language, issued and submitted directly by professors from the university where the applicant's degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referee who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee: **up to 5 points.**

Except for the reference letters, the qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 40/60.

The results of the qualification assessment will be published online within August 6, 2025. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: September 1 and 2, 2025, at 9:30 CET, via videoconference.

The interview, held in Italian or English, will include a discussion of the candidates' research project and their scientific outline.

Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: www.finophd.eu

The following programs are provided:

- Mind, science and language
- Ethics and Political Theory
- History of philosophical and scientific thought

- d. Theory: Phenomenology, Ontology and Hermeneutics.

PHD COURSE IN LINGUISTICS

LOCATION: Department of Humanities

COORDINATOR: Prof. Silvia Luraghi

DURATION: 3 years

RESEARCH TOPICS: Language typology, Historical and Indo-European linguistics, Sociolinguistics, English linguistics, Pragmatics, Theoretical linguistics, Corpus linguistics, Computational linguistics, Applied linguistics, Second Language Acquisition and Teaching, Linguistics of modern languages.

ADMISSION PROCEDURE: **qualifications assessment and interview.** Candidates are allowed to take the interview in English.

LINGUISTIC KNOWLEDGE: the candidates' knowledge of English and Italian will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 60 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. Knowledge at least at B2 QCER level of foreign languages, demonstrated by certification dated not more than 3 years from the date of publication of this call, or documentation attesting the achievement of an academic degree or the attendance of courses related to these languages: **up to 5 points.**

The languages are evaluated as follows:

- Each language at B2 level (English excluded): up to 1 point
 - Each language at C1/C2 level (English included): up to 2 points.
- b. Publications and participation as a speaker at conferences: only the publications and the reports relating to the last 5 years from the deadline of the call and considered as consistent with the research topics of the PhD course will be evaluated. Each publication or report concerning the research topics of the PhD course receives a maximum of 1 point: **up to 3 points**
 - c. Average of the marks obtained during the master's degree and pertinence of the master's degree: **up to 4 points**
 - d. Research project in Italian or English (max. 3,000 words + bibliography), related to research topics pertaining to the disciplinary areas of the PhD course. The project will be structured as follows: general introduction on the state of the art relating to the subject chosen by the candidate, presentation of the research objectives envisaged, description of the working methods and sources to be used, discussion of the expected results: **up to 48 points.**

The following items are evaluated:

- Relevance: **up to 6 points**
- Structure and objective coherence and clarity: **up to 36 points**
- Bibliography: **up to 6 points**.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 42/60.

The results of the qualifications assessment will be announced no later than **July 12, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: July 18, 2025, at 14:30 am (CET), via videoconference on Zoom platform.

During the interview, the research project submitted by the candidate will be discussed. The research project will not be binding if the candidate is admitted onto the PhD course. The interview will have the purpose to ascertain the candidate's aptitude towards research and will also concern the topics of the PhD course. The knowledge of the English language will be verified during the interview.

UP TO 30 POINTS ARE ASSIGNED FOR THE INTERVIEW, AS FOLLOWS:

- discussion of the research project: **up to 23 points**
- knowledge of the topics pertaining to the PhD programs: **up to 7 points**

Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to attend the interview due to technical difficulties.

INFORMATION: <https://studiumanistici.dip.unipv.it/it/didattica/dottorati/dottorato-di-ricerca-linguistica>

The following programs are provided:

- a. Language typology, general and historical linguistics
- b. Sociolinguistics and pragmatics
- c. Applied and computational linguistics
- d. English language and linguistics.

PhD COURSE IN POLITICAL STUDIES

LOCATION: Department of Political and Social Sciences

COORDINATOR: Prof. Fabio Franchino, Università degli Studi di Milano

DURATION: 4 years

RESEARCH TOPICS: Comparative Political Institutions and European Union Politics; Public Policy and Welfare States; Public Opinion, Political Communication and Political Behavior; International Studies; Political and Legal Philosophy.

COOPERATING INSTITUTIONS: University of Milano. The PhD degree will be jointly conferred by the Rector of the University of Pavia and the Rector of the University of Milano.

ADMISSION PROCEDURE: qualifications assessment and interview. The interview will be held in English.

Candidates are allowed to take the interview via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

LINGUISTIC KNOWLEDGE: the interview will be held in English.

QUALIFICATIONS ASSESSMENT: UP TO 20 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

Evaluation of the curriculum vitae: up to 13 points

- a. Graduation mark (or average of the marks obtained during the master's degree if the candidate has applied before the attainment of the second-level degree), taking into account the relevance to the disciplines included in this call: **up to 5 points**
- b. publications (only if relevant to the disciplines covered by the call and published in journals or publishing houses recognized in the scientific community of the disciplines covered by the call): **up to 3 points**, according to the the following criteria:
 - each publication in a scientific journal or included in a scientific volume of international importance: **up to 2 points**
 - each publication in a scientific journal or included in a scientific volume of national importance: **up to 1 point**
- c. professional experiences (only if relevant to the disciplines covered by the call), 1 point for each experience: **up to 2 points**
- d. other qualifications, only if clearly identifiable and relevant to the disciplines covered by the call: **up to 3 points**, according to the following criteria:
 - each participation to conferences and congresses as a speaker: **up to 1 point**
 - Italian master course or other postgraduate qualifications: **up to 2 points** for each qualification
 - summer/winter school or similar courses: **up to 1 point** for each qualification
 - awards received from universities and scientific associations: **up to 1 point** for each award.

Evaluation of the research project: up to 7 points

The research project, which must be drafted according to the template available at https://www.nasp.eu/images/Model_1_for_research_project.docx, is evaluated only for selection purposes and does not limit the choice of the topic of the PhD thesis in case of admission. Research projects will be evaluated overall on the basis of the relevance and pertinence of the topic covered and considering their originality and methodological rigor, as follows:

- none/poor: **up to 1 point**
- modest: **up to 3 points**
- good: **up to 5 points**

- excellent: up to **7 points**.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

In addition to the qualifications above, candidates must provide two reference letters, in Italian or English, drafted and submitted directly by professors from the university where the applicant's degree was awarded or by other professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referees who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee. The reference letters are considered in the evaluation of the candidate's *curriculum vitae*, but do not give additional points.

The minimum score to be admitted to the interview is 9/20, divided as follows: at least 4.5 points for the *curriculum vitae* and at least 4.5 points for the research project.

The results of the qualifications assessment will be announced no later than **July 18, 2025**. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: July 22-23, 2025, at 9:30, at the Department of Political and Social Sciences, C.so Strada Nuova 65, Pavia. Up to 30 points are assigned for the evaluation of the interview.

The interview is aimed at verifying the candidate's knowledge on the topics related to the educational and scientific aspects of the PhD course and on the contents of the proposed project; it will be followed by a general discussion aimed at verifying the candidate's skills, scientific qualities and motivations. In particular, the interview will assess:

- the competence in scientific literature relevant to the research project
- the ability to argue in favor of the research project
- the motivations that lead to undertaking the PhD course
- the knowledge of the PhD course for which the candidate is applying
- the candidate's maturity and professionalism
- the candidate's aptitude towards research
- the knowledge of the English language.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: <https://www.nasp.eu/training/phd-programmes/pols.html>

PhD COURSE IN SCIENCES OF THE LITERARY AND MUSICAL TEXT

LOCATION: Department of Humanities

COORDINATOR: Prof. Mirko Volpi

DURATION: 3 years

RESEARCH TOPICS: Textual Criticism from the Middle Ages to the Present; Critical Editions of Texts and Literary Criticism from the Middle Ages to the 21st Century; History of Italian Language; History of Theatre and Cinema; Modern Foreign Languages and Literatures; Musicology.

ADMISSION PROCEDURE: **qualifications assessment and tests (written test and interview).**

PLEASE NOTE: candidates who intend to apply for the topic-related scholarship “Meneghello and the context: narration, memory, language and dialect” must state their interest before the beginning of the interview.

Candidates who intend to apply for the topic-related scholarship “**Cognitive and Digital Organology**” must apply for category 982; these candidates will be selected through qualifications assessment and an interview, to be taken in English, also in videoconference. Up to **40 points** will be assigned for the assessment of the qualifications considered for this category, as follows:

- *curriculum vitae* (max 4 pp.): up to **4 points**
- motivation letter: up to **3 points**
- abstract of the master’s degree thesis: up to **3 points**
- research project proposal on Girolamo Zenti (max 5000 characters, in English): up to **20 points**
- sample of the candidate’s written production (7,000-10,000 words, e.g. chapter of the thesis or article): up to **5 points**
- exams taken during the candidate’s degree courses, bearing the marks: up to **5 points**
- two reference letters: candidates must provide, in the last page of their CV, names and email of two academic referees. The Committee, appointed after the deadline of the call for applications, will contact the referees and request their reference letters. Unlike the other documents, the letter must not be uploaded by the candidate during the online application procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee. The reference letters are considered in the evaluation of the candidate's curriculum vitae, but do not give additional points.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications. **The minimum score to be admitted to the interview is 21/40.**

The interview of candidates applying for cat. 982 will consist of a discussion of the candidate's interests (max 4 points); insights and questions regarding the research project proposal (max 12 points); verification of knowledge of themes and problems of organology in general and for keyboard instruments (max 12 points); evaluation of linguistic skills (max 2 points). The interview is considered passed with a minimum of 21 points.

LINGUISTIC KNOWLEDGE: candidates’ knowledge of English, French, German, Spanish or Russian will be verified during the interview.

QUALIFICATIONS ASSESSMENT: EXCEPT FOR CANDIDATES APPLYING FOR CAT. 982, UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE’S QUALIFICATIONS, AS FOLLOWS:

- a. summary of the second-level degree thesis in Italian or English (max. 1000 words) (**up to 1 point**)

- b. exams taken during the candidate's degree courses, if relevant for the research areas of the PhD course (**up to 1 point**)
- c. research project, either in Italian or in English (max. 3000 words, bibliography not counted), related to research topics pertaining to the programs listed below. The project's structure should be as follows: general introduction about the state of the art relative to the chosen topic; presentation of the research objectives; description of the methods and the sources the candidate intends to use; discussion of expected results (**up to 8 points**).

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

WRITTEN TEST: September 16, 2026, at 9:00 (CET). More information on the test, as well as the location, will be communicated to candidates by the Committee via email.

The written test will consist of:

1. for the Modern Philology program: discussion of philological-critical issues referred to crucial texts of Italian and Romance literature or linguistic-stylistic analysis and historical-literary commentary of a chosen text
2. for the Modern Foreign Languages and Literatures program: discussion in the chosen language of either philological-literary or linguistic issues pertaining to authors, texts, textual genres, specific periods of the language and culture, or historical/literary/stylistic/linguistic analysis with commentary on a text
3. for the Musicology program: historical-philological and/or analytical-stylistic discussion of at least two musical pieces chosen among those from different periods and repertoires proposed by the Committee, including those relevant to ethnomusicology, popular contemporary music and media studies.

The list of candidates admitted to the interview will be published according to a procedure that will be communicated the day of the written test.

INTERVIEW: September 19, 2025, at 11:00 (CET).

The interview will be in either Italian or the foreign language chosen by the candidate among those listed above and will concern:

1. a thorough discussion of the research project
2. the assessment of the candidate's competence related to the chosen program
3. the assessment of the knowledge of one of the following languages: English, French, German, Spanish, Russian.

INFORMATION: <https://studiumanistici.dip.unipv.it/it/didattica/dottorati/dottorato-scienze-del-testo-letterario-e-musicale>

The PhD course involves the following programs:

Modern Philology:

Research areas:

1. Genetic criticism and textual tradition; critical editions and commentaries of texts from the origins to the 21st century
2. History of literary criticism



3. Theory of literature
4. Renaissance and Modern literature and culture
5. Mass and consumer literature
6. Italian linguistics
7. Dramatic texts and places
8. Philology and criticism of film language
9. Metrical theory and analysis
10. Reception of Greek and Latin texts in modern literatures.

Modern Foreign Languages and Literatures:

Research areas:

The program covers 6 areas, interacting also on a comparative basis: English studies; Germanic philology; French studies; German studies; Spanish studies; Slavonic studies. Within these linguistic areas, the following fields are foregrounded:

1. Critical edition and analysis of Medieval Germanic texts
2. Ancient book studies
3. Criticism of the European novel
4. Textual analysis and criticism (theory and practice)
5. Literary translation
6. Language studies (history of the English/French/German/Russian/Spanish language)
7. History of drama (script and performance).

Musicology:

Research areas:

1. Musical philology from the Middle Ages to the 21st century
2. Music theories and analysis from Middle Ages to the 21st century
3. Musical theatre from the 17th to the 21st century
4. Music and literature
5. Music and the media
6. Organology and music iconography
7. Ethnomusicology
8. Contemporary popular music.

**PHD COURSE IN
COMMUNICATION SCIENCES AND PRACTICES
(Industrial PhD course)**

LOCATION: Department of Political and Social Sciences

COORDINATOR: Prof. Flavio Antonio Ceravolo

DURATION: 3 years

COOPERATING COMPANIES: Ennevolte srl, H Ventures Solutions srl, Mirò Comunicazione srl

RESEARCH TOPICS: Digital communication, reputation management and public opinion, narrative models, narrative models, quantitative and qualitative research for communication and marketing.

ADMISSION PROCEDURE: qualifications assessment and interview. Candidates are allowed to have the interview in English and/or via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications).

LINGUISTIC KNOWLEDGE: the candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. graduation marks of both the bachelor's and master's degree, or weighted average of the marks obtained during the degree course, to be calculated and declared by the candidates themselves: up to 7 points;
- b. internship, research or work experience consistent with the topics of the PhD course: up to 2 points;
- c. any training courses, Italian "master" courses or other educational qualifications consistent with the topics of the PhD course: up to 1 point.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 6/10.

The results of the qualifications assessment will be announced no later than September 9, 2025. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: starting from September 15, 2025 at 9:00 am CET, at the Department of Political and Social Science, C.so Strada Nuova n. 65, Pavia.

The interview will focus on the topics of the PhD course as well as on the candidate's studies.

Candidates who requested to take the interview via videoconference will be informed by the Committee about the date and time of the interview. Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: please refer to the Coordinator of the PhD program (flavioantonio.ceravolo@unipv.it) and the didactic office (edoardo.depaoli@unipv.it).

The PhD course does not provide for programs.

PHD COURSE IN HISTORY

LOCATION: Department of Political and Social Sciences

COORDINATOR: Prof. Elisabetta Colombo

DURATION: 3 years

RESEARCH TOPICS: Pre-classical ancient Near East; Ancient history and historiography; Greek, Etruscan-Italic and Roman archaeology, topography and art; History and civilization of Greek and Latin Middle Age; Modern and Contemporary History; Constitutional and Administrative History; History and Politics of European Integration; History of Asia and Africa.

For further information on the research topics please visit the PhD course website:
<http://phdstoria.unipv.eu/site/en/home.html>

PhD students with regular PhD scholarships will be required to spend a research period abroad of at least 12 months over the three years.

ADMISSION PROCEDURE: qualifications assessment and interview. Only candidates who reside abroad or are abroad at the time of the interview for work or study reasons are allowed to take the interview via videoconference. The videoconference must be requested by selecting the appropriate option in the online application procedure (see art. 5 of this Call for applications). Candidates are allowed to take the interview in English.

Candidates who wish to compete for a topic-related scholarship must state their interest before the beginning of the interview.

LINGUISTIC KNOWLEDGE: the candidates' knowledge of English will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 10 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. exams taken during the candidate's degree courses, including the marks. Candidates will have to provide, for each degree course, the final mark obtained and the arithmetic average of the marks obtained in the exams. Candidates holding a degree obtained abroad will have to submit a transcript showing, for each degree course, the final mark obtained and the arithmetic average of the marks obtained in the exams, and mentioning the minimum grade for sufficiency and the maximum grade (**up to 2 points**)
- b. post lauream diplomas (specialization schools, Italian Master courses); participation in archaeological excavation campaigns in a supervisory position; collaborations with libraries/museums/archives, with medium-high responsibilities; proven training period abroad; possible additional work or research activities at qualified institutions. All the above-mentioned activities must be confirmed by uploading the relevant dated certificates issued by the management (**up to 1 point**)
- c. publications (only if already published or accepted for publication; a pdf file, as well as full information pertaining to the publisher, must be provided); conference reports already accepted for publication (a certificate issued by the editor or the conference organizer must



be provided). Publications and conference reports must be less than 5 years old and must be congruent with the research topics of the PhD course (**up to 2 points**)

- d. research project in Italian or English (max 16000 characters, including spaces; bibliography, sources and figures not counted), related to one of the above-mentioned PhD research fields. The research project is to be structured as follows: short literature review; presentation of the research project and its goals; discussion of the expected outcomes (this must specify the project's likely contribution to the disciplinary field/s concerned); provisional research plan during the three years of PhD course (**up to 5 points**).

A *curriculum vitae* is also required.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 6/10.

The results of the qualifications assessment will be announced no later than **July 15, 2025**. The results will be posted in the candidates' Personal Area in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: July 22, 2025, starting from 10:00 am (CET), at the "Aula Videoconferenze" of the Department of Political and Social Sciences, C.so Strada Nuova n. 65, Pavia. The interview will take place in presence; videoconferencing is possible only for applicants who are abroad at the time of the interview for work or study reasons.

The interview will be held in Italian or English and will verify the candidate's knowledge of the English language. The interview will focus on the research project in order to ascertain the candidate's aptitude towards research and his/her expertise and background in the research project's field of studies. The research project will not be binding if the candidate is admitted onto the PhD course.

Before the interview, candidates will be asked to show a valid identity document. The University of Pavia does not take any responsibility for a candidate's failure to attend the interview due to technical difficulties.

INFORMATION: <http://phdstoria.unipv.eu/site/en/home.html>