

Doctoral courses XXXIX cycle

PhD course name:
BIOTECHNOLOGIES
(INDUSTRIAL DOCTORATE)

Duration	3 years
Posts	12
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission	1
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	<p>1 GRANT entitled: Role of alternative metabolism of glucose in the B-chronic lymphocytic leukemia pathogenesis Company period at la Fondazione Toscana Life Sciences: 18 months Mandatory overseas mission: 6 months Project contact: Bruscoli Stefano</p> <p>1 GRANT entitled: Study of endothelial physiology in Cardioprotection Company period at l'impresa S & R Farmaceutici: 6 months Mandatory overseas mission: 6 months Project contact: Fioretti Bernard e Pucci Giacomo</p>
Post with grant financed from funds under Ministerial Decree 117/2023	<p>1 GRANT entitled: Effective Microorganisms to improve efficacy and sustainability in agriculture and in environmental biotechnologies Company period at l'impresa Emita S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: Corte Laura</p> <p>1 GRANT entitled: Creation of a biomaterial of human origin Company period at Polo tecnologico piemontese S.r.l.: 18 months Mandatory overseas mission: 6 months Project contact: Martino Sabata</p> <p>1 GRANT entitled: NEURALINK- Realization of a new technology for the regeneration of the peripheral nervous system Company period at Polo tecnologico piemontese S.r.l.: 18 months Mandatory overseas mission: 6 months</p>

	Project contact: Martino Sabata
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	1 GRANT entitled: Precision medicine and personalized therapy of cancer patients through evaluation of gene expression and polymorphisms of genes expressed by cells within the tumor microenvironment Mandatory overseas mission: 6 months Project contact: Nocentini Giuseppe
Places reserved for employees of enterprises engaged in highly qualified activities (industrial doctorate)	1 reserve for employees of ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELL'UMBRIA E DELLE MARCHE "TOGO TOSATI" 1 reserve for employees of USL 2 UMBRIA 1 reserve for employees of AZIENDA SANITARIA UNIVERSITARIA FRIULI CENTRALE
Curricula	1 – Medical Biotechnologies 2 – Molecular and Industrial Biotechnologies 3 – Biomaterials and bio-devices
In convention with	Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Tosati" USL 2 Umbria Azienda Sanitaria Universitaria Friuli Centrale
Coordinator	CARDINALI GIANLUIGI

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **degrees** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also cover the preparation by the candidates of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided. In particular, for PNRR fellowships, projects must focus on the topic of the fellowship presented by the referee.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application.**

The minimum score required in the assessment of qualifications for admission to the interview is **15/30**. Before the interview, a list of candidates admitted to the interview will be published on the website <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, the candidate is required to draw up a research project proposal to be submitted together with the application for the competition, which the candidate will illustrate during the interview.

The interview may, at the candidate's choice, be held in English.
For interviews held in Italian, knowledge of the English language will be assessed.

The interview will be conducted in person or by videoconference for those who live abroad or are objectively prevented from attending in person.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Monday 31 August 2023 in room A3 Polo Didattico in Via del Giochetto. Link to Teams for the interview:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjMOMjc0M2Q0tZTJjZS00ZmQ0LThlZWQ0NWFKMjUyNjhhkM2Rj%40thread.v2/0?context=%7b%22Tid%22%3a%22067e7d20-e70f-42c6-ae10-8b07e8c4a003%22%2c%22Oid%22%3a%228f5dd495-e26b-4e62-9d8c-48b1ebc9a982%22%7d

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board ("albo"), announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for the doctoral courses are therefore invited to consult **the notice of 8 August 2023** to check whether **the date of the call is** confirmed or changed.

**Doctoral course name:
CONSUMER LAW**

Duration	3 years
Posts	4
Grants reserved for graduates of foreign universities	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	<p>1 GRANT entitled: Digital transition and evolution of the liberal professions: the computerised processing of data by professional bodies Company period at Ordine dei dottori commercialisti e degli esperti contabili Provincia di Terni: 6 months Mandatory overseas mission: 6 months Project contact: MEZZASOMA LORENZO</p> <p>1 GRANT entitled: Anti-money laundering, computerisation and consumer client protection in the liberal professions Company period at Ordine dei dottori commercialisti e degli esperti contabili Provincia di Terni: 6 months Mandatory overseas mission: 6 months Project contact: MEZZASOMA LORENZO</p>
Curricula	---
Coordinator	MEZZASOMA LORENZO

Degrees required for admission

Specialized degree in: 22/S "Jurisprudence", 84/S "Economic-business sciences", LMG/01 "Jurisprudence";
Master's degree in: LMG/01 "Jurisprudence", LM-77 "Economic-business sciences"; **Degree** according to the system prior to the entry into force of Ministerial Decree 509/1999, equated to the specialist and master's degrees indicated above, pursuant to current regulations on equivalence for the purposes of participation in public competitions.

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the preparation by the candidates of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the PhD topics (SC 12/A1 - SSD IUS/01; SC 12/B1 - SSD IUS/04; SC 12/E3 - SSD IUS/05; SC 13/B1 - SSD SECS-P/07; SC 12/G2 - SSD IUS/16).

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application**. The pass mark in the assessment of qualifications for admission to the interview is **15/30**.

Before the interview, the list of candidates admitted to the interview will be published on the University's website: <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the subjects of the PhD programme (SC 12/A1 - SSD IUS/01; SC 12/B1 - SSD IUS/04; SC 12/E3 - SSD IUS/05; SC 13/B1 - SSD SECS-P/07; SC 12/G2 - SSD IUS/16) and will also be aimed at assessing the candidate's aptitude for research, availability to carry out experiences abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project proposal submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in Italian, Spanish or English, a choice that must be indicated in the application form. For interviews held in Italian, knowledge of English or Spanish will be tested.

The interview will be conducted in person. It will be conducted by videoconference only for those living abroad.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out in the same way: **assessment of qualifications (including research project) and interview (in 60ths: 30 + 30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

14 September 2023 at 9:00 a.m. Department of Economics, Terni Campus (Viale Papa Zaccaria, 8 05100 Terni)

Links for videoconferencing will be sent to foreign candidates in the run-up to the tests.

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjM0Mjc0M2Q0tZTJjZS00ZmQ0LThlZWQ0tNWFkMjUyNjhmM2Rj%40thread.v2/0?context=%7b%22Tid%22%3a%22067e7d20-e70f-42c6-ae10-8b07e8c4a003%22%2c%22Oid%22%3a%228f5dd495-e26b-4e62-9d8c-48b1ebc9a982%22%7d

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for the doctoral courses are therefore invited to consult **the notice of 8 August 2023** to check whether **the date of the call is** confirmed or changed.

N.B. The doctoral course stipulates that doctoral students must obligatorily carry out research activities lasting at least 365 days (starting from the second year of the course) at the University of Salamanca and that the doctoral thesis must be written in two languages (Italian/English or Italian/Spanish), given the co-participation and the agreement with the University of Salamanca. In addition, doctoral students, during their stay in Italy, must ensure that they carry out at least three days of weekly research activities at the Department of Economics, Terni campus, of the University of Perugia.

PhD course name:
ECONOMICS - INSTITUTIONS, ENTERPRISES AND QUANTITATIVE METHODS

Duration	3 years
Posts	4
Grants	2 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	1 GRANT entitled: Sustainable investments and Artificial Intelligence: graphical Markov models and latent variable models to enhance transparency and interpretability of the algorithms for asset allocations Company period at Sella SGR Spa: 6 months Mandatory overseas mission: 6 months Project contact: Stanghellini Elena
Curricula	1 - Economics and institutions 2 - Economics and business 3 - Quantitative methods for economics
Coordinator	FIGA' TALAMANCA GIANNA

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the candidates' elaboration of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application**. The minimum score required in the assessment of qualifications for admission to the interview is **15/30**. Before the interview, the list of candidates admitted to the interview will be published on the University website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the score obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project proposal submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The pass mark for the interview is **21/30**.

With regard to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**.

PhD course name:
READING EDUCATION, EFFECTS AND BENEFITS OF READING AND READING ALOUD

Duration	3 years
Posts	7
Grants	1 (financed by Università degli Studi di Modena e Reggio Emilia) 1 (financed by Università degli Studi di Bologna)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	1 GRANT entitled: Reading aloud, social-emotional skills and perceived well-being of students Company period at la Fondazione per la Scuola: 6 months Mandatory overseas mission: 6 months Project contact: Batini Federico 1 GRANT entitled: Reading aloud as an equity practice for combating, preventing and intervening in early school leaving Company period at la Fondazione per la Scuola: 6 months Mandatory overseas mission: 6 months Project contact: Batini Federico 1 GRANT entitled: Reading aloud, well-being and orientation: empowerment tools and practices to imagine and design the future Company period at la Fondazione per la Scuola: 6 months Mandatory overseas mission: 6 months Project contact: Batini Federico
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	1 GRANT entitled: Politiche di promozione della lettura per la costruzione di una comunità Company period at Centro per il libro e la lettura: 6 months Mandatory overseas mission: 6 months Project contact: Batini Federico
Curricula	-----
In collaboration with	Università degli studi di Bologna Università degli studi di Modena e Reggio Emilia
Coordinator	BATINI FEDERICO

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will cover the university educational pathway, as well as any further educational pathways if relevant to the doctoral, professional, research and volunteer experience where consistent and any specific scientific publications in relation to the doctorate (it is advisable to attach and/or declare all the qualifications obtained, complete with all elements useful for the assessment, including, for the educational pathways, the individual marks of profit achieved throughout the educational pathway).

The assessment will also cover the candidates' elaboration of the fundamental lines of a research project of their choice (or on the individual topic for the DM 117 and the PNRR PA grant), lasting three years, aimed exclusively at evaluating the candidate on one of the topics into which the programme is divided and/or the specific topics to which the co-funded grants, the PA grant, are linked.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application**. The minimum score required in the assessment of qualifications for admission to the interview is **15/30**. Before the interview, the list of candidates admitted to the interview will be published on the University website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the score obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus, including in-depth technical and methodological studies, *on the research topics of the Doctoral programme* and will also be aimed at assessing the candidate's aptitude for research, his willingness to undertake experience abroad and his scientific interests. To this end, the candidate is required to draw up a research project proposal to be submitted together with the application to take part in the competition, which the candidate will illustrate during the interview but which will also contribute to the assessment of the qualifications.

The pass mark for the interview is **21/30**.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this Doctoral course are therefore invited to consult **the notice of 8 August 2023**.

**PhD course name:
ENERGY AND SUSTAINABLE DEVELOPMENT
(INDUSTRIAL DOCTORATE)**

Duration	3 years
Posts	10
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	1 GRANT entitled: Development and optimization of thermophysical and mechanical properties of materials and components obtained by large-scale 3D printing for buildings and infrastructures and associated tests Company period at Innova 3D S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: Baldinelli Giorgio
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the surety guarantee of the funding	1 GRANT entitled: MultiL2 - Living lab for multi-domain comfort assessment in workplaces Company period at Elettrica Valeri S.r.l.: 18 months Mandatory overseas mission: 6 months Project contact: Pisello Anna Laura
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	1 GRANT entitled: EFoot-Mech - Environmental Footprint Reduction in Mechanical Industries Company period at Terex Italia S.r.l.: 12 months Mandatory overseas mission: 6 months Project contact: Fantozzi Francesco 1 GRANT entitled: Mortars and Sustainable Reinforcement Systems for the consolidation, conservation and energy efficiency of historic buildings Company period at Kimia S.p.a.: 15 months Mandatory overseas mission: 6 months Project contact: Speranzini Emanuela
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	1 GRANT entitled: Soil-vegetation-atmosphere interaction for data collection, planning and program of sustainable geotechnical engineering measures for soil erosion mitigation and slope protection

	<p>Company period at Istituto Superiore per la Protezione e la Ricerca ambientale (ISPRA): 8 months Mandatory overseas mission: 6 months Project contact: Cecconi Manuela 1 GRANT entitled: Solar cells and pv systems for bipvs (building integrated photovoltaics) with particular attention to pv glazing technologies: characterization, modeling and optimization techniques Company period at GruppoSTG Fabbrica S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: Buratti Cinzia</p>
Places reserved for employees of enterprises engaged in highly qualified activities (industrial doctorate)	<p>1 reserve for employees of NUOVO PIGNONE TECNOLOGIE S.R.L. 1 reserve for employees of AGRICOLUS S.R.L.</p>
Curricula	<p>1. Energy and environmental well-being 2. Energy, agricultural and territorial resources</p>
In convention with	<p>AGRICOLUS S.R.L. NUOVO PIGNONE TECNOLOGIE S.R.L.</p>
Coordinator	<p>NICOLINI ANDREA</p>

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the selection notice and Annex 2.

The interview will focus on the topics of the curricula into which the Doctoral programme is divided, with particular reference to the topics of the project referred to in the case of grants pursuant to Ministerial Decree 117/2023 and Ministerial Decree 118/2023, and **may** also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be conducted by videoconference.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates of foreign universities and for the posts reserved for employees of the above-mentioned companies, the selection procedure is carried out according to

the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all that has been specified above.

The 3 places reserved for grant holders in a specific international mobility programme (MSCA Doctoral Networks "Multi-sensory Solutions for Increasing Human-building Resilience in the Face of Climate Change" (MuSIC)) are allocated through a specific international selection procedure, which is currently in progress.

Eligibility is achieved with an overall mark of 30/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this Doctoral course are therefore invited to consult **the notice of 8 August 2023**.

PhD course name:
**ETHICS OF COMMUNICATION, SCIENTIFIC RESEARCH AND
 TECHNOLOGICAL INNOVATION
 (INDUSTRIAL DOCTORATE)**

Duration	3 years
Posts	6
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	<p>1 GRANT entitled: Crosstalk between Hematopoiesis, Stress Hormones and Neuroinflammation: interdisciplinary cross-species approach Company period at Plaisant S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: Oxana Bereshchenko</p> <p>1 GRANT entitled: Stoke AI-based detection in emergencies: developing a virtual assistant based on Artificial Intelligence tools for the diagnosis and management of acute stroke in the emergency room Mandatory overseas mission: 6 months Project contact: Cecilia Becattini</p>
Places reserved for employees of enterprises engaged in highly qualified activities (industrial doctorate)	2 reserves for employees of ISTITUTO ZOOPROFILATTICO DELL'UMBRIA E DELLE MARCHE "TOGO ROSATI"
Curricula	1 – Humanities 2 – Scientific – Tech 3 – Medicine- Health
In convention with	ISTITUTO ZOOPROFILATTICO DELL'UMBRIA E DELLE MARCHE "TOGO ROSATI"
Coordinator	BALBONI GIULIA

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The **assessment of qualifications** will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the candidates' elaboration of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application**. The pass mark in the assessment of qualifications for admission to the interview is **9/30**.

Prior to the interview, the list of candidates with the marks obtained in the assessment of qualifications will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the subjects of the curricula into which the doctorate is divided. The interview will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experiences abroad and scientific interests. To this end, the candidate is required to prepare a research project proposal to be submitted together with the application for the competition, which the candidate will illustrate during the interview. The interview may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 30/60 or higher

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice will be** published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this Doctoral course are therefore invited to consult **the notice of 8 August 2023**.

**PhD course name:
PHYSICS**

Duration	3 years
Posts	10
Grants	<p>1 (University) 2 (INFN) 1 (DIPARTIMENTO FISICA E GEOLOGIA) GRANT entitled “Scientific analysis of the AMS-02 data”, financed through the agreement with the ASI 2 (DIPARTIMENTO FISICA E GEOLOGIA) GRANTS “Observational or theoretical study of the cosmic radiation”</p>
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	<p>1 GRANT entitled: Integration of bio-hybrid systems and nanotechnologies for the study of stress on the functionalities of complex bio-artificial systems during prolonged exposure in an extraterrestrial environment Company period at SERMS S.r.l.: 18 months Mandatory overseas mission: 6 months Project contact: PACIARONI Alessandro</p>
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	<p>1 GRANT entitled: Growth and characterization of innovative materials for photovoltaics and ultra-low power electronics Mandatory overseas mission: 6 months Project contact: CARLOTTI Giovanni – VERDINI Alberto 1 GRANT entitled: Crystalline suspensions for cryogenic test masses towards future gravitational waves detectors (i.e. Einstein Telescope) Mandatory overseas mission: 6 months Project contact: VOCCA Helios</p>
Curricula	<ul style="list-style-type: none"> - UNIVERSE - PHYSICS OF FUNDAMENTAL INTERACTIONS - APPLIED AND INTERDISCIPLINARY PHYSICS
In associazione con	INFN
Coordinator	PACIARONI Alessandro

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will concern the university educational pathway, as well as any further education pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with all the elements useful for the assessment, including, for the educational pathways, the individual marks obtained throughout the entire educational pathway). The assessment will also cover the preparation by the candidates of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided.

The minimum score required in the assessment of qualifications for admission to the interview is **10/30**. Prior to the interview, the list of candidates with the score obtained in the assessment of qualifications will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application.**

The interview will focus on the characteristic topics of the Doctoral Course, and will be consistent with its educational objectives, and will also be aimed at verifying the candidate's aptitude for research, willingness to carry out experiences abroad and scientific interests. To this end, the candidate shall illustrate, during the interview, the research project submitted together with the application for participation in the selection process in order to assess the qualifications. The interview may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be conducted in person. The Commission will assess candidates' requests to conduct the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **20/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 30/60 or higher

Interview calendar:

Please note that, in accordance with Article 4 of the Call for Applications, on **8 August 2023** a **notice** will be published on the University website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, informing you of the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This calendar is valid as a formal convocation and no personal communications will be sent regarding this course Name.**

Candidates for this Doctoral course are therefore invited to consult **the notice of 8 August 2023**.

PhD course name:
**INDUSTRIAL AND INFORMATION ENGINEERING
(INDUSTRIAL DOCTORATE)**

Duration	3 years
Posts	18
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission	1
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	<p>1 GRANT entitled: Study and analysis of the effects of stress and load of the failure behavior of electronic systems over time Company period at Eles Semiconductor Equipment S.p.a.: 6 months Mandatory overseas mission: 6 months Project contact: Gianluca Reali - Federico Alimenti</p> <p>1 GRANT entitled: Architectures for data management and processing for Proof of Failure models in Test Engineering system Company period at Eles Semiconductor Equipment S.p.a.: 6 months Mandatory overseas mission: 6 months Project contact: Gianluca Reali - Federico Alimenti</p> <p>1 GRANT entitled: Silicon integrated millimeter-wave electronic systems with Built-In Self Test (BIST) capabilities: technologies, design methods and reliability qualification in safety critical applications Company period at Eles Semiconductor Equipment S.p.a.: 6 months Mandatory overseas mission: 6 months Project contact: Gianluca Reali Federico - Alimenti</p> <p>1 GRANT entitled: Silicon integrated analog power electronic systems with Built-In Self Test (BIST) capabilities: technologies, design methods and reliability qualification in safety critical applications Company period at l'impresa Eles Semiconductor Equipment S.p.a.: 6 months Mandatory overseas mission: 6 months Project contact: Gianluca Reali - Federico Alimenti</p>

	<p>1 GRANT entitled: Model-based and data-driven advanced techniques for fault diagnosis for Industrial Applications Company period at Angelantoni Life S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: Francesco Ferrante</p>
<p>Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the surety guarantee of the funding</p>	<p>1 GRANT entitled: Innovative techniques and algorithms for the management of thermal generation, transfer and storage systems Company period at Tiemme Elettronica S.r.l.: 18 months Mandatory overseas mission: 6 months Project contact: Antonio Moschitta</p>
<p>Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement</p>	<p>1 GRANT entitled: Strategies and techniques for distributed electricity generation by means of renewables and application study on urban-scale for alternative mobility solutions Company period at Genesi Energia S.r.l.: 18 months Mandatory overseas mission: 6 months Project contact: Antonio Faba</p>
<p>Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR</p>	<p>1 GRANT entitled: Optimization e impacts reduction of sustainable mobility systems Mandatory overseas mission: 6 months Project contact: BARELLI LINDA</p>
<p>Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration</p>	<p>1 GRANT entitled: ICT methodologies and technologies for security, safety, and data analysis in the Public Administration Company period at Consorzio Interuniversitario Nazionale per l'Informatica: from 6 to 12 months Mandatory overseas mission: 6 months Project contact: DIDIMO WALTER</p> <p>1 GRANT entitled: Innovative technologies, process, and management for the implementation of circular economy for health care waste Company period at Azienda Ospedaliera Santa Maria Terni: from 6 to 12 months Mandatory overseas mission: 6 months Project contact: DI MARIA FRANCESCO</p> <p>1 GRANT entitled: ICT Technologies for health support Company period at Consorzio Nazionale Interuniversitario per le Telecomunicazioni: 6 months Mandatory overseas mission: 6 months Project contact: CARBONE PAOLO</p>
<p>Places reserved for employees of</p>	<p>2 reserves for employees of RINA CONSULTING CENTRO SVILUPPO MATERIALI</p>

enterprises engaged in highly qualified activities (industrial doctorate)	2 reserve for employees of TEREX ITALIA S.r.l.
Curricula	1. Information Engineering 2. Industrial Engineering
In convention with	TEREX ITALIA S.R.L. RINA CONSULTING CENTRO SVILUPPO MATERIALI
Coordinator	LIOTTA GIUSEPPE

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The **assessment of qualifications** will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the preparation by the candidates of a **research project** of their choice, lasting three years, aimed exclusively at evaluating the candidate on the topics of the curricula into which the doctorate is divided.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application.**

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, the candidate will illustrate, during the interview, the research project submitted with the application for participation in the selection process in order to assess the qualifications. The interview may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is obtained with an overall mark of 25/60 or higher

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this PhD course are therefore invited to consult **the notice of 8 August 2023**

PhD course name:
**INTERNATIONAL DOCTORAL PROGRAMME IN CIVIL AND
ENVIRONMENTAL ENGINEERING
(INDUSTRIAL DOCTORATE)**

Duration	3 years
Posts	21
Grants	1 (University) 2 (CNR IRPI)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission	1
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	1 GRANT entitled: Analysis of an Arch Gravity Dam (DAG) subjected to coupled seismic, hydraulic, static stresses. Case study: Ridracoli Dam. Company period at Romagna Acque: 12 months Mandatory overseas mission: 6 months Project contact: MANCIOLA PIERGIORGIO
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	1 GRANT entitled: Innovative technologies for precast reinforced concrete multi-storey buildings subjected to seismic hazard Company period at Generale Prefabbricati S.p.A.: 12 months Mandatory overseas mission: 6 months Project contact: VENANZI ILARIA 1 GRANT entitled: Handling uncertainties in Safety Assessment of Existing Bridges - SAFER Company period at Consorzio Fabre: 12 months Mandatory overseas mission: 6 months Project contact: UBERTINI FILIPPO 1 GRANT entitled: Use of Digital Twins for predictive maintenance and detection of anomalies in existing and monumental buildings Company period at Sintagma S.r.l.: 12 months Mandatory overseas mission: 6 months Project contact: BRECCOLOTTI MARCO 1 GRANT entitled: Processing rheological properties and crystallization kinetics of thermoplastic polymers: processability of recycled or bio based polyesters Company period at Alcantara: 18 months Mandatory overseas mission: 6 months Project contact: TORRE LUIGI

<p>Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the surety guarantee of the funding</p>	<p>1 GRANT entitled: Advanced Methods for aUtomated Survey and generation of Digital twins of civil engineering structures - AMUSED Company period at Eagleprojects Spa: 12 months Mandatory overseas mission: 6 months Project contact: UBERTINI FILIPPO</p> <p>1 GRANT entitled: GReEn comPOSITE mATERials for stRuctural Strengthening (REPAIRS) Company period at Innovations S.r.l.: 18 months Mandatory overseas mission: 6 months Project contact: GIOFFRE' MASSIMILIANO</p> <p>1 GRANT entitled: Dynamic analysis of complex historic constructions and definition of effective strategies for their structural monitoring - (DESMOS) Company period at Unilab Sperimentazione S.r.l.: 18 months Mandatory overseas mission: 6 months Project contact: CAVALAGLI NICOLA</p>
<p>Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration</p>	<p>1 GRANT entitled: Use of by-products from some agri-food chains for the production of bioactive substances, biomaterials and biofertilizers in a third generation biorefinery Company period at TSA igiene ambientale - Magione: 6 months Mandatory overseas mission: 6 months Project contact: GIGLIOTTI GIOVANNI</p> <p>1 GRANT entitled: Study and implementation of innovative methods for seismic monitoring and damage detection in strategic public buildings Company period at Provincia di Perugia: 12 months Mandatory overseas mission: 6 months Project contact: BRECCOLOTTI MARCO</p> <p>1 GRANT entitled: Study for the definition of an Information System with BIM procedures for Real Estate and OO.PP. Company period at Provveditorato Interregionale alle OO.PP. Per la Toscana, le Marche e l'Umbria: 6 months Mandatory overseas mission: 6 months Project contact: BIANCONI FABIO</p>
<p>Post with grant financed from funds under Ministerial Decree 118/2023 - Cultural Heritage</p>	<p>1 GRANT entitled: Integrated digital methodologies and technologies for knowledge, documentation, interpretation and communication of historical cultural heritage Application to a case study in the Umbrian territory Company period at CNR: 6 months Mandatory overseas mission: 6 months Project contact: MENCHETELLI VALERIA</p>
<p>Places reserved for employees of enterprises engaged in highly qualified</p>	<p>1 reserve for employees of TARKETT SPA 2 reserves for employees of ACEGASAPSAMGA SPA 1 reserve for employees of RAFAEL ADVANCED DEFENSE SYSTEMS LTD</p>

activities (industrial doctorate)	
Curricula	-----
Coordinator	UBERTINI FILIPPO

Degrees required for admission

Specialized degree in: 3/S "landscape architecture", 4/S "architecture and building engineering", 7/S "agricultural biotechnology", 20/S "physics", 27/S "chemical engineering", 28/S "civil engineering", 32/S "electrical engineering", 36/S "mechanical engineering", 38/S "environmental and territorial engineering", 50/S "mathematical and physical modelling for engineering", 61/S "materials science and engineering", 62/S "chemical sciences", 86/S (specialisation in geological sciences) 103/S 'theories and methods of industrial design'; **Master's degree in:** LM-3 'landscape architecture', LM-4 'architecture and building-architecture engineering', LM-4 c.u. "Architecture and Building Engineering-Architecture (five-year)", LM-7 "Agricultural Biotechnology", LM-8- "Industrial Biotechnology", LM-12 "Design", LM-17 "Physics", LM-22 "Chemical Engineering", LM-23 "Civil Engineering", LM-24 "Building Systems Engineering", LM-26 "Safety Engineering", LM-29 'Electrical engineering', LM-33 'Mechanical engineering', LM-35 'Environmental and territorial engineering', LM-44 'Mathematical and physical modelling for engineering', LM-53 'Materials science and engineering', LM-54 'Chemical sciences', LM-69- 'Agricultural sciences and technologies' LM-74 'Geological sciences and technologies';

Degree according to the system prior to the entry into force of Ministerial Decree 509/1999, equated to the above-mentioned specialised and magisterial degrees, pursuant to current regulations on equivalence for the purposes of participation in public competitions.

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The **assessment of qualifications** will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the selection notice and Annex 2.

The interview will focus on the topics covered by the PhD programme and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. The interview may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**

With regard to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 30/60 or higher

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023.**

**PhD course name:
LEGALITY, POLITICAL CULTURES AND DEMOCRACY**

Duration	3 years
Posts	8
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	<p>1 GRANT entitled: A gendered approach to the psychosocial and legal study of organizations Company period at Presidenza Consiglio Ministri Scuola Nazionale Amministrazione: 6 months Mandatory overseas mission: 6 months Project contact: PACILLI MARIA GIUSEPPINA – PIOGGIA ALESSANDRA</p> <p>1 GRANT entitled: Local administrations and historic rural landscapes: memory, management of resources, valorisation, development Company period at Comune di Alviano: from 8 to 14 months Mandatory overseas mission: 6 months Project contact: VAQUERO PINEIRO MANUEL</p> <p>1 GRANT entitled: New public procurement code and risk of corruption Company period at Società Spazio Dati S.r.l.: 7 months Mandatory overseas mission: 6 months Project contact: GNALDI MICHELA</p> <p>1 GRANT entitled: From urban to rural: enterprising communities as new development models for inland areas Company period at Symbola Fondazione per le qualità italiane: 6 months Mandatory overseas mission: 6 months Project contact: DE SALVO PAOLA</p>
Post with grant financed from funds under Ministerial Decree 118/2023 - Digital and ecological transitions	<p>1 GRANT entitled: Sustainable Food Systems and Human Rights Company period at TAMAT ONG: 12 months Mandatory overseas mission: 6 months Project contact: MANEGGIA AMINA</p>
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to	<p>1 GRANT entitled: Marginality and marginal territories. Policies, instruments and actions for innovation and investment, material and immaterial, to counter the decline of inland areas and fragile rural areas Company period at Associazione Media Valle del Tevere G.A.L.: 6 months</p>

the completion of the agreement	Mandatory overseas mission: 6 months Project contact: SARTORE MARIANO
Curricula	1) Legality 2) Political Cultures 3) Democracy
Coordinator	PROIETTI FAUSTO

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The **assessment of qualifications** will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the candidates' elaboration of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application.**

The pass mark in the assessment of qualifications for admission to the interview is **12/30**.

Prior to the interview, the list of candidates with the marks obtained in the assessment of qualifications will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview may, at the candidate's choice, be held in English. For interviews held in Italian, knowledge of the English language will be tested. For interviews held in English, a basic knowledge of **Italian** is required.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is obtained with an overall mark of 33/60 or higher

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023** .

PhD course name:
CLINICAL AND MOLECULAR MEDICINE

Duration	3 years
Posts	4
Grants	2 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	1 GRANT entitled: Identification of druggable drivers in high-risk T-cell acute lymphoblastic leukemia with RUNXI alterations Company period at toClinics s.r.l.s.: 6 months Mandatory overseas mission: 6 months Project contact: LA STARZA ROBERTA
Curricula	1) Pathology and clinic of arteriosclerosis and aging 2) Neuroscience 3) Surgical sciences 4) Biotechnologies in human bone marrow transplant 5) Oncological radiotherapy
In convention with	AMSTERDAM UNIVERSITY (NETHERLANDS) NEW YORK UNIVERSITY (USA)
Coordinator	MECUCCI CRISTINA

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the preparation by the candidates of a research project of their choice aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided, but which will not necessarily be the final project decided on together with the tutors by those admitted.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application**. The pass mark in the assessment of qualifications for admission to the interview is **9/30**.

Prior to the interview, a list of candidates admitted to the interview will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on topics related to the project prepared by the candidates for admission. It will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad, and scientific interests.

To this end, the candidate is required to draw up a research project proposal to be submitted with the application for the competition, which he/she will illustrate at the interview.

The same, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 30/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023** .

**PhD course name:
TRANSLATIONAL MEDICINE AND SURGERY**

Duration	3 years
Posts	4
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	1 GRANT entitled: Identification and exploitation of novel molecular targets in the treatment of inflammatory b diseases Company period at Precision biotherapeutics: 12 months Mandatory overseas mission: 6 months Project contact: FIORUCCI STEFANO
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the surety guarantee of the funding	1 GRANT entitled: Platelet-mediated therapeutics delivery for the treatment of Ovarian Cancer Company period at Plasfer: 6 months Mandatory overseas mission: 6 months Project contact: GRESELE PAOLO
Curricula	1) Translational medicine 2) Translational surgery
Coordinator	FIORUCCI STEFANO

Degrees required for admission

Specialized degree in: 6/S 'Biology', 8/S Industrial Biotechnology, 9/S 'Medical, Veterinary and Pharmaceutical Biotechnology', 14/S 'Pharmacy and Industrial Pharmacy', 26/S 'Biomedical Engineering', 46/S 'Medicine and Surgery', 69/S 'Human Nutrition Sciences', **Master's degrees in:** LM-6 "Biology", LM-8 "Industrial biotechnology", LM-9 "Medical, veterinary and pharmaceutical biotechnology", LM-13 "Pharmacy and industrial pharmacy", LM-21 "Biomedical engineering", LM-41 "Medicine and surgery", LM-61 "Human nutrition science", ; **Degree** according to the system prior to the entry into force of Ministerial Decree 509/1999, equated to the specialist and master's degrees indicated above, pursuant to current regulations on equivalence for the purposes of participation in public competitions.

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will cover - the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications, (it is advisable to attach and/or declare all the qualifications obtained, complete with all the elements useful for the assessment, including, for the educational pathways, the individual marks obtained throughout the entire educational pathway). The assessment **will not** include the candidates' preparation of a research project.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the selection notice and Annex 2.

The pass mark in the assessment of qualifications for admission to the interview is **9/30**.

Prior to the interview, the list of candidates admitted to the interview will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. The same, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be conducted in person; the Commission will assess candidates' requests to be interviewed by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With regard to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30 + 30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 30/60 or higher.

Interview calendar:

11 September 2023 at 14:00 Biblioteca Laboratorio Medicina Interna e Cardiovascolare c/o nuovo Centro Didattico [Internal Medicine and Cardiovascular Laboratory Library c/o new Didactic Centre], Strada Vicinale delle corse, 06132 Sant'Andrea delle Fratte, Perugia Building B, floor 1.

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023** to check whether **the date of the convocation** is confirmed or changed.

PhD course name:
**INFLAMMATORY AND INFECTIOUS DISEASES, THERAPEUTIC
STRATEGIES AND BIO-LAW
(INDUSTRIAL DOCTORATE)**

Duration	3 years
Posts	8
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	1 GRANT entitled: Decoding the interaction between tryptophan derivatives and the aryl hydrocarbon receptor (AHR) to develop new immunotherapy strategies for inflammatory-related conditions Company period at PPM Services S.A.: 6 months Mandatory overseas mission: 6 months Project contact: FALLARINO FRANCESCA
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	1 GRANT entitled: Artificial intelligence and 3D tracking methods to analyse the behavior of mosquitoes responsible for the transmission of infectious diseases to humans and animals Company period at Polo di Innovazione di Genomica, Genetica e Biologia inc: 6 months Mandatory overseas mission: 6 months Project contact: SPACCAPELO ROBERTA
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	1 GRANT entitled: Digitization of the Department of Medicine and Surgery (DIMEC) Company period at Goalnet S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: RIUZZI FRANCESCA
Places reserved for employees of enterprises engaged in highly qualified activities (industrial doctorate)	2 reserves for employees of SANOFI S.P.A.) 1 reserve for employees of OM PHARMA SA (VIFOR)
Curricula	1) Genomics and genetics of host-pathogen agent relationship 2) Immunometabolism, immunogenetics and translational approaches to inflammatory diseases 3) Ethics, Law and Science
In convention with	SANOFI S.P.A. OM PHARMA SA (VIFOR)

Coordinator	SPACCAPELO ROBERTA
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Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the system prior to the entry into force of Ministerial Decree 509/1999: **ALL**.

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also **include** the preparation by the candidates of a research project of their choice, on one of the topics of the curricula into which the doctorate is divided, **to be written in English**, aimed exclusively at the assessment of the candidate.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call and Annex 2; **the research project must be submitted as an annex to the application.**

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to carry out experiences abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project, submitted **in English** together with the application form.

The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be held in person. For candidates who so request, the interview may be held by videoconference.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 30/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**.

PhD course name:
**VETERINARY HEALTH AND EXPERIMENTAL SCIENCES
(INDUSTRIAL DOCTORATE)**

Duration	3 years
Posts	8
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	1 GRANT entitled: Versatile anti-inflammatory enflcoxib with multiaction in the treatment of OA pain, postoperative pain in elective surgeries, and multimodal therapy of the cancer patient Company period at Ecuphar Italia S.r.l. S.c.p.A.: 9 months Mandatory overseas mission: 6 months Project contact: BUFALARI ANTONELLO
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	1 GRANT entitled: Deep phenotyping and Omic technologies in climate change scenarios to characterized resilient animals Company period at Istituto Zooprofilattico dell'Umbria e delle Marche "Togo Rosati": 6 months Mandatory overseas mission: 6 months Project contact: CAPPELLI KATIA 1 GRANT entitled: Development and enhancement of new teaching strategies based on three-dimensional images Mandatory overseas mission: 6 months Project contact: DALL'AGLIO CECILIA
Places reserved for employees of enterprises engaged in highly qualified activities (industrial doctorate)	1 reserve for employees of ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELL'UMBRIA E DELLE MARCHE 1 reserve for employees of ISTITUTO ZOOPROFILATTICO SPERIMENTALE DEL PIEMONTE, LIGURIA E VAL D'AOSTA 1 reserve for employees of CDVET RESEARCH Srl
Curricula	1) Biotechnology Applied to Veterinary Science 2) Veterinary Public Health and Food Hygiene 3) Clinical Science and Veterinary Diagnostics
In convention with	ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELL'UMBRIA E DELLE MARCHE ISTITUTO ZOOPROFILATTICO SPERIMENTALE DEL PIEMONTE, LIGURIA E VAL D'AOSTA CDVET RESEARCH Srl

Coordinator	CENCI GOGA BENIAMINO TERZO
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Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will concern the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with all the elements useful for assessment, including, for the educational pathways, the individual marks obtained throughout the entire educational pathway). The assessment will also cover the preparation by the candidates of a **research project**, to be submitted together with the application for participation in the selection, to be developed over the course of the three-year period, on one of the topics of the curricula into which the doctoral programme is divided.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application.**

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be conducted in person.

The pass mark for the interview is **21/30**.

With regard to the post reserved for graduates from foreign universities and the posts reserved for employees of companies engaged in highly qualified activities, the selection procedure is carried out in the same way: **assessment of qualifications and interview (in 60ths: 30+30)**.

Eligibility is achieved with an overall mark of 30/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023** .

PhD course name:
BIOLOGICAL AND NATURAL SCIENCES

Duration	3 years
Posts	4
Grants	2 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	1 GRANT entitled: Emerging/re-emerging pathogens and antimicrobial resistance in wastewaters: epidemiological applications and environmental risk Company period at Umbra Acque S.p.a.: 6 months Mandatory overseas mission: 6 months Project contact: FEDERICI ERMANNO
Curricula	1) Vital processes and human well-being 2) Organism-environment interaction
Coordinator	REBORA MANUELA

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will concern the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with all the elements useful for assessment, including, for the educational pathways, the individual marks obtained throughout the entire educational pathway). The assessment will also cover the preparation by the candidates of a **research project**, to be submitted together with the application for participation in the selection, to be developed over the course of the three-year period, on one of the topics of the curricula into which the doctoral programme is divided:

Curriculum Life Processes and Human Well-being:

- (a) Ion channels: structure-function relationships and physio-pathological roles.
- (b) Emerging/re-emerging pathogens and antimicrobial resistance in wastewaters: epidemiological applications and environmental risk

Curriculum Organism-Environment Interaction

- (a) Insect attachment ability, from the egg to the adult stage.
- b) *Mitigation and compensation of multiple environmental stressors in aquatic ecosystems.*

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application.**

The pass mark in the assessment of qualifications for admission to the interview is **15/30**.

Prior to the interview, the list of candidates admitted to the interview itself, with an indication of the marks obtained in the assessment of qualifications, will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the subjects of the curricula into which the doctorate is divided and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in English.

In the case of interviews held in Italian, knowledge of the English language will be assessed.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With regard to the post reserved for **graduates from foreign universities**, and the posts reserved for employees of companies engaged in highly qualified activities, the selection procedure is carried out in the same way: **assessment of qualifications and interview (in 60ths: 30+30)**.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**

PhD course name:
CHEMICAL SCIENCES

Duration	3 years
Posts	5
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	1 GRANT entitled: Computational Modelling of design of sustainable and highly selective catalytic processes using novel theoretical methods Company period at FAccTs GmbH: 6 months Mandatory overseas mission: 6 months Project contact: BISTONI GIOVANNI
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	1 GRANT entitled: Machine learning in metal halide perovskites: Materials discovery and property optimization Company period at Eni S.p.a.: 12 months Mandatory overseas mission: 6 months Project contact: DE ANGELIS FILIPPO
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the surety guarantee of the funding	1 GRANT entitled: Solid electrolytes for lithium batteries Company period at Italmatch Chemicals: 6 months Mandatory overseas mission: 6 months Project contact: MACCHIONI ALCEO
Curricula	1) Spectroscopy, chemical kinetics and molecular dynamics 2) Materials and methods for catalysis, energy, environment and cultural heritage 3) Theoretical chemistry and computational modeling
Coordinator	DE ANGELIS FILIPPO

Degrees required for admission

Specialized degree in: 7/S 'Agricultural Biotechnology', 8/S 'Industrial Biotechnology', 9/S 'Medical, Veterinary and Pharmaceutical Biotechnology', 14/S 'Pharmacy and Industrial Pharmacy', 61/S 'Materials Science and Engineering', 62/S 'Chemical Sciences', 81/S 'Industrial Chemistry Science and Technology';

Master's degrees in: LM-7 'Agricultural biotechnology', LM-8 'Industrial biotechnology', LM-9 'Medical, veterinary and pharmaceutical biotechnology', LM-13 'Pharmacy and industrial pharmacy'. LM-53 - "Materials Science and Engineering", LM-54 "Chemical Sciences", LM-71 "Industrial Chemistry Science and Technology"; **Degree** awarded under the system prior to the entry into force of Ministerial Decree 509/1999, equated to the specialist and master's degrees indicated above, pursuant to the regulations in force on equivalence for the purposes of participation in public competitions.

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will cover the university educational pathway as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for assessment, including, for the educational pathways, the individual marks obtained throughout the educational pathway).

The assessment will also cover the candidates' elaboration of a research project to be developed during the three-year period on one of the topics of the curricula into which the doctoral programme is divided and on the topics indicated in the agreements with companies for DM 117 funding:

- *Theoretical study and design of highly selective sustainable catalytic processes using innovative computational methodologies;*
- *Machine learning techniques applied to metal-halogen perovskites: discovery of new materials and optimisation of properties;*
- *Solid electrolytes for lithium batteries*
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Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application.**

The interview will focus on the subjects of the curricula into which the doctoral programme is divided and on the presentation of the research project, and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project proposal submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **20/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication

concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**

PhD course name:
AGRICULTURAL, FOOD AND ENVIRONMENTAL SCIENCES AND BIOTECHNOLOGY

Duration	3 years
Posts	8
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to the completion of the agreement	<p>1 GRANT entitled: Sustainable and eco-friendly strategies for the development of whiskey production in Italy Company period at Laboratorio Alchemico 216 S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: MARCONI OMBRETTA</p> <p>1 GRANT entitled: Social farming, workplace inclusion and integrated tobacco industry: planning processes in co-design for greater equity and safety in working conditions Company period at Philip Morris Italia S.r.l.: 12 months Mandatory overseas mission: 6 months Project contact: TORQUATI BIANCAMARIA</p>
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	<p>1 GRANT entitled: Use of a Life-Cycle Assessment (LCA) approach in the integrated management of fungal diseases of bread wheat Company period at Colussi S.p.a.: 18 months Mandatory overseas mission: 6 months Project contact: COVARELLI LORENZO</p>
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	<p>1 GRANT entitled: Reduction of the use of copper-based products for controlling bacterial diseases Mandatory overseas mission: 6 months Project contact: MORETTI CHIARALUCE</p> <p>1 GRANT entitled: Effect of high plantation density on hazelnut tree productivity and water use efficiency Mandatory overseas mission: 6 months Project contact: FARINELLI DANIELA</p>
Research grant, reserved for graduates for no more than 5 years in: Laurea specialistica in: 38/S “Ingegneria per l’ambiente e il territorio”, 74/S “Scienze e gestione delle	<p>1 research grant, for an amount equal to 75,000.00 euros, as part of the project PATHWAYS Identifying and increasing sustainable practices along the supply and production chains of European livestock</p> <p>Research topic: Environmental assessment of crop-livestock interactions through agricultural life cycle assessment and modelling</p>

risorse rurale e forestali, 77/S “Scienze e tecnologie agrarie”, 78/S “Scienze e tecnologie agroalimentari”, 79/S Scienze e tecnologie agrozootecniche”, 82/S “Scienze e tecnologie per l’ambiente e il territorio”, 83/S “Scienze economiche per l’ambiente e la cultura”, 92/S “Statistica per la ricerca sperimentale”;
o equivalenti presso università estere

Laurea magistrale in: LM-35 “Ingegneria per l’ambiente e il territorio”, LM-69 “Scienze e tecnologie agrarie”, LM-70 “Scienze e tecnologie alimentari”, LM-75 “Scienze e tecnologie per l’ambiente e il territorio”, LM-76 “Scienze economiche per l’ambiente e la cultura”, LM-82 “Scienze statistiche”;
O equivalenti presso università estere

MD in Environmental engineering, Farmland resource management and science, Agricultural science, agri-food science, Enviromental science, Statistics, Biostatistics or related topics.

Competenze richieste nel curriculum scientifico-professionale:

conoscenze nell’analisi del ciclo di vita dei sistemi agricoli; nella stima delle

emissione dei gas serra e degli impatti sulla biodiversità; nella modellizzazione dei sistemi agricoli e nella statistica legata ai sistemi agricoli, nell'acquisizione ed elaborazione di dati aziendali relativi alla gestione agronomica dei sistemi colturali e foraggeri; competenza nella redazione e stesura di relazioni e pubblicazioni scientifiche in agronomia; conoscenze e competenze sulla dinamica del carbonio e dell'azoto del suolo. Conoscenze di alcuni dei seguenti software: R/Pythhon. Ottima conoscenza della lingua inglese.	
Curricula	1) Agrofood and Animal Production 2) Sustainable Production Systems and Environment
Coordinator	ALBERTINI EMIDIO

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The **assessment of qualifications** will cover the candidate's university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the preparation by the candidates of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided.

The **research project** must relate to one of the following topics related to the curricula in which the PhD programme is divided:

Curriculum Sustainable Production Systems and Environment

- (a) Development of a genetic and epigenetic linkage map to identify genes and markers linked to tolerance of olive trees to *Xylella fastidiosa*
- b) Environmental assessment of crop-livestock interactions through agricultural life cycle assessment and modelling.

PNRR 117:

- a) Sustainable and eco-friendly strategies for the development of whiskey production in Italy.

PNRR 118:

- a) Reduction of the use of copper-based products for controlling bacterial diseases.

Curriculum Agrofood and Animal Production (Curriculum Agrofood and Animal Production)

- a) Using participatory approaches to develop payment schemes for ecosystem services in Natura 2000 areas

PNRR 117:

- a) Use of a Life- Cycle Assessment (LCA) approach in the integrated management of fungal diseases of bread wheat **In collaboration with Colussi S.p.a.**

- b) Social farming, workplace inclusion and integrated tobacco industry: planning processes in co-design for greater equity and safety in working conditions **In collaboration with Philip Morris Italia.**

PNRR 118:

- (a) Effect of high plantation density on hazelnut tree productivity and water use efficiency)

The research project must be submitted together with the application for selection

Under penalty of non-appraisal, the qualifications must be submitted in accordance with the terms of Article 3 of the selection notice and Annex 2.

The pass mark in the assessment of qualifications for admission to the interview is **15/30**.

Prior to the interview, the list of candidates admitted to the interview itself, with an indication of the marks obtained in the assessment of qualifications, will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the topics of the curricula into which the doctoral programme is divided and precisely the same as those indicated for the candidates' preparation of a research project, and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad, and scientific interests.

During the interview, the research project submitted by the candidate as an attachment to the application will also be discussed. The interview may, at the candidate's choice, be held in English.

In the case of interviews held in Italian, knowledge of the English language will be assessed.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**

**PhD course name:
PHARMACEUTICAL SCIENCES
(INDUSTRIAL DOCTORATE)**

Duration	3 years
Posts	9
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 117/2023, with activation subject to completion of the procedures for payment of the full amount allocated in the agreement	<p>1 GRANT entitled: Innovative nutrigenomics and pharmacogenomics methods to assess efficacy and safety of nutraceuticals and functional food products Company period at Vivatis Pharma Italia S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: GALLI FRANCESCO</p> <p>1 GRANT entitled: Development of oral, pulmonary and intranasal delivery strategies for centrally acting steroidal active ingredients Company period at Sterling S.p.a: 6 months Mandatory overseas mission: 6 months Project contact: SCHOUBBEN AURELIE</p>
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	<p>1 GRANT entitled: Development of eco-sustainable dermo-cosmetic formulations based on animal and vegetal by-products for the treatment of skin diseases Company period at Tamburo S.r.l.s.: from 6 up to 9 months Mandatory overseas mission: 6 months Project contact: PERIOLI LUANA – SARDELLA ROCCALDO</p> <p>1 GRANT entitled: Innovative metabolomics and lipidomics protocols of the Delphi Star-lab platform for the study of micronutrient vitamins of nutraceutical interest Company period at Elle Elle S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: GALLI FRANCESCO</p>
Places reserved for employees of enterprises engaged in highly qualified activities (industrial doctorate)	<p>1 reserve for employees of ITEL TELECOMUNICAZIONI S.R.L</p> <p>1 reserve for employees of JANSSEN CILAG S.P.A.</p> <p>1 reserve for employees of MAGI'S LAB</p>
Curricula	<p>1) Early Phase Drug Discovery</p> <p>2) Pharmaceutical technology and nutraceuticals</p>
In convention with	<p>ITEL TELECOMUNICAZIONI S.r.L.</p> <p>JANSSEN-CILAG S.P.A.</p> <p>MAGI'S LAB</p>

Coordinator	TABARRINI ORIANA
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Degrees required for admission

Specialized degree in: 6/S 'Biology', 9/S 'Medical, veterinary and pharmaceutical biotechnology', 14/S 'Pharmacy and industrial pharmacy', 62/S 'Chemical sciences', 69/S 'Human nutrition sciences', 78/S 'Agri-food sciences and technologies'; **Master's degree in:** : LM/6 'Biology', LM/9 'Medical, veterinary and pharmaceutical biotechnology', LM/13 'Pharmacy and industrial pharmacy', LM/54 'Chemical sciences', LM/61 'Human nutrition sciences', LM/70 'Food science and technology';

Degree awarded under the system prior to the entry into force of Ministerial Decree 509/1999, equated to the above-mentioned specialised and magisterial degrees, pursuant to current regulations on equivalence for the purposes of participation in public competitions.

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will concern the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with all the elements useful for the assessment, including, for the educational pathways, the individual marks obtained throughout the entire educational pathway). The assessment will also cover the preparation by the candidates of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application.**

The interview will focus on one of the following topics of the candidate's choice

Topic 1:

Italian title: Metodi ed approcci nelle fasi iniziali di progettazione di farmaci.
English title: Methods and approaches in early phase drug discovery.

Topic 2:

Italian title: Metodi ed approcci nella tecnologia farmaceutica e nutraceutica alimentare.
English title: Methods and approaches in pharmaceutical technology and food nutraceuticals.

For more details on research topics, please consult the website <https://dsf.unipg.it/didattica/alta-formazione/dottorato-di-ricerca>

The interview will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project proposal submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be in mixed mode (presence and/or video-conferencing); the Commission will assess the applicants' requests to be interviewed by video-conference in the light of the reasons given.

The pass mark for the interview is **18/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**

**PhD course name:
LEGAL SCIENCES**

Duration	3 years
Posts	5
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 – PNRR	1 GRANT entitled: Gender equality at work between emerging needs and new protection techniques: a comparative perspective Company period at Framinia S.r.l.: 6 months Mandatory overseas mission: 6 months Project contact: PRETEROTI ANTONIO – CAIROLI STEFANO
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	1 GRANT entitled: PA efficiency in digitization processes between recruitment, training and work-life balance Company period at Assemblea Legislativa Regione Umbra: 6 months Mandatory overseas mission: 6 months Project contact: PRETEROTI ANTONIO – CAIROLI STEFANO
Post with grant financed from funds under Ministerial Decree 118/2023 – Digital and ecological transitions	1 GRANT entitled: Prevention and mitigation of data breach and cybersecurity incidents in public administration Company period at Studio di consulenza del lavoro Alessandro Barricchio: 6 months Mandatory overseas mission: 6 months Project contact: SASSI ANDREA
Curricula	1) Domestic and supranational public law 2) Person, market and new technologies 3) Theory, history and comparison of law
Coordinator	TREGGIARI FERDINANDO

Degrees required for admission

Specialized degree in: 1/S "Cultural anthropology and ethnology", 5/S "Archiving and library science" ,18/S "Theoretical, Moral, Political and Aesthetic Philosophy", 21/S "Geography", 22/S "Law", 54/S "Urban and Environmental Planning", 60/S "International Relations", 64/S "Economics", 70/S "Political Science", 71/S "Public Administration Sciences", 83/S "Economics for the Environment and Culture", 84/S 'Economic and business sciences', 88/S 'Sciences for development cooperation', 89/S 'Sociology', 93/S 'Antiquarian history', 94/S 'Contemporary history', 96/S 'History of philosophy', 97/S 'Medieval history', 98/S 'Modern history', 99/S 'European studies', 102/S 'Theory and techniques of standardisation and legal information', **master's degree in:** LMG/01 'Jurisprudence', LM-1 'Cultural anthropology and ethnology', LM-5 'Archivistics and librarianship', LM-48 'Urban and environmental spatial planning', LM-52 'International relations', LM-56 'Economics', LM-62 'Political science', LM-63 'Public administration science', LM-64 'Religious sciences', LM-66 "Information security", LM-76 "Economic sciences for the environment and culture", LM-77 "Economic-business sciences", LM-78 "Philosophical sciences", LM-81 "Sciences for development cooperation", LM-84 "Historical sciences", LM-88 "Sociology and social research", LM-90 "European studies", LM/SC "Criminological sciences applied to investigation and security" ,LM/SC_GIUR "Legal sciences"; **Degree** under the degree system prior to the entry into force of Ministerial Decree 509/1999, equated to the above-mentioned specialist

and master's degrees, pursuant to current regulations on equivalence for the purposes of participation in public competitions.

The selection procedure

CANDIDATES WHO ARE GRADUATES OF ITALIAN UNIVERSITIES:

The selection procedure will be carried out as follows:

Assessment of qualifications, written test and interview (in 90ths: 30 + 30 + 30).

The assessment of the qualifications will concern the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with all the elements useful for the assessment, including, for the educational pathways, the individual marks obtained throughout the entire educational pathway). The assessment will also cover the preparation by the candidates of a three-year research project, to be submitted together with the application for participation in the selection on one of the topics of the curricula into which the doctoral programme is divided:

1) DOMESTIC AND SUPRANATIONAL PUBLIC LAW

- Public law
- Civil and criminal procedural law
- International and European Union Law

2) PEOPLE, MARKET AND NEW TECHNOLOGIES

- Rights of the person
- Commercial and labour law
- New technology law

3) THEORY, HISTORY AND COMPARISON OF LAW

- History of Law
- Philosophy and sociology of law
- Comparative law

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application.**

The pass mark in the assessment of qualifications for admission to the written test is **18/30**.

Before the written test is held, the list of candidates admitted to the test itself will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the written test.

The written test will focus on one of the topics of the curricula in which the doctorate is divided. It will be held in person in a room of the Department of Law.

The pass mark for the written test is **18/30**.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted for interview

Prior to the interview, the list of candidates admitted to the interview will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the marks obtained in the assessment of the written test.

The interview will be conducted in person or, at the candidate's request and on the basis of his or her reasons, which the examination board will assess, by videoconference.

The interview will focus on the subjects of the curricula into which the doctorate is divided. The interview itself will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. It should also be noted that the discussion of the research project proposal submitted with the application for participation in the competition and included among the qualifications to be assessed will be the subject of the interview.

The interview, at the candidate's choice, may be held in English.

For interviews held in Italian, knowledge of a foreign language indicated by the candidate in the application form from among the following is required: English or French or German.

The pass mark for the interview is **18/30**.

Eligibility is achieved with an overall mark of 54/90 or higher.

WITH REGARD TO THE POST RESERVED FOR GRADUATES FROM FOREIGN UNIVERSITIES

the selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of the qualifications will concern the candidate's university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with all the elements useful for the assessment, including, for the educational pathways, the individual marks obtained throughout the entire educational pathway). The assessment will also cover the preparation by the candidates of a three-year research project, to be submitted together with the application for participation in the selection on one of the topics of the curricula into which the PhD programme is divided:

1) DOMESTIC AND SUPRANATIONAL PUBLIC LAW

- Public law
- Civil and criminal procedural law
- International and European Union Law

2) PEOPLE, MARKET AND NEW TECHNOLOGIES

- Rights of the person
- Commercial and labour law
- New technology law

3) THEORY, HISTORY AND COMPARISON OF LAW

- History of Law
- Philosophy and sociology of law
- Comparative law

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for **applications** and Annex 2; **the research project must be submitted together with the application.**

The pass mark in the assessment of qualifications for admission to the written test is **12/30**.

Before the written test is held, the list of candidates admitted to the test itself will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, indicating the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the written test.

The interview will be conducted in person or, at the candidate's request and on the basis of his or her reasons, which the examination board will assess, by videoconference.

The interview will focus on the subjects of the curricula into which the doctorate is divided. The interview itself will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. It should also be noted that the discussion of the research project proposal submitted with the application for participation in the competition and included among the qualifications to be assessed will be the subject of the interview.

The interview, at the candidate's choice, may be held in English.

For interviews held in Italian, knowledge of a foreign language indicated by the candidate in the application form from among the following is required: English or French or German.

The pass mark for the interview is **18/30**.

Eligibility is achieved with an overall mark of 30/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di->

[ricerca/bandi-avvisi-e-modulistica](#) and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023.**

PhD course name:

HUMANITIES

Duration	3 years
Posts	4
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	1 GRANT entitled: A psychopathological perspective to the understanding of aggression Company period at Casa di reclusione di Spoleto: 9 months Mandatory overseas mission: 6 months Project contact: MAZZESCHI CLAUDIA 1 GRANT entitled: FIDES. Rigenerating communities for a new pact between public and private Company period at Sostenabitally Società Benefit a Responsabilità Limitata: 6 months Mandatory overseas mission: 6 months Project contact: ALICI LUCA
Curricula	1) Philosophical 2) Pedagogical and psychological 3) Anthropologic-linguistic
Coordinator	MAZZESCHI CLAUDIA

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The **assessment of qualifications** will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also involve the preparation by the candidates of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided. The project may be written in Italian or in one of the following official EU languages: **English, French.**

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project must be submitted together with the application.** The pass mark in the assessment of qualifications for admission to the interview is **15/30.**

Prior to the interview, the following will be published on the website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, the list of candidates admitted to the interview itself, indicating the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the discussion of the research project and the topics of the candidate's chosen curriculum and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, the candidate is **requested to indicate in the application for the competition the choice of one of the curricula into which the doctorate is divided**. During the interview, the candidate will illustrate the research project proposal submitted with the application for participation in the selection for the purpose of assessing the qualifications. The interview may, at the candidate's choice, be held in English. For interviews held in Italian, knowledge of one of the following EU languages, chosen by the candidate in the application form, is required: English, French, Spanish, German, Portuguese.

The interview will be conducted in mixed mode.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 36/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice will be** published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**.

PhD course name:
EARTH SYSTEM AND GLOBAL CHANGE

Duration	3 years
Posts	5
Grants	1 (University) 1 (DIPARTIMENTO FISICA E GEOLOGIA) entitled - Planetary studies for the compositional mapping of extraterrestrial bodies”
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	1 GRANT entitled: Carbon Capture and Storage (CCS): geophysical and geological-structural studies to develop inventory maps of potential sites in the Adriatic Sea area Mandatory overseas mission: 6 months Project contact: ERCOLI MAURIZIO – BARCHI MASSIMILANO 1 GRANT entitled: Deep Past Climate: a lesson for current and future climate scenarios Mandatory overseas mission: 6 months Project contact: CIRILLI SIMONETTA – SPINA AMALIA
Curricula	---
Coordinator	CHERIN MARCO

Degrees required for admission

Specialized degree pursuant to Ministerial Decree 509/1999, **Master's degree** pursuant to Ministerial Decree 270/2004, **Degree** pursuant to the regulations prior to the entry into force of Ministerial Decree 509/1999: **ALL**

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also involve the preparation by the candidates of a research project, of their choice, lasting three years, aimed exclusively at the assessment of the candidate, on the characteristic topics of the doctorate, and consistent with its educational objectives: by way of example, a list of topics, indicated by the Board of teachers, on which the research projects of the XXXIX Cycle doctoral students will be activated will be published on the doctoral website. **The research project must be submitted together with the application for participation in the selection process.** The description of the research project must be divided into four sections: State of the Art, Objectives, Methodologies, Impact, each of which must not exceed 2,000 characters;

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the selection notice and Annex 2.

The pass mark in the assessment of qualifications for admission to the interview is **12/30**.

Prior to the interview, the following will be published on the website <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica>, the list of candidates admitted to the interview with an indication of the marks obtained in the assessment of qualifications.

Candidates who do not achieve the above-mentioned pass mark in the assessment of qualifications will not be admitted to the interview.

The interview will focus on the characteristic topics of the doctorate, consistent with its training objectives and will also be aimed at verifying the candidate's aptitude for research, willingness to undertake experience abroad and scientific interests. To this end, during the interview the candidate will illustrate the research project proposal submitted with the application for participation in the selection process for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be conducted in person; the Commission will assess candidates' requests to be interviewed by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 33/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**.

PhD course name:

HISTORY, ARTS AND LANGUAGES IN ANCIENT AND MODERN EUROPE

Duration	3 years
Posts	7
Grants	1 (University)
PRO3 Project Grants - 2021/2023 with 6 months overseas mission reserved for graduates of foreign universities	1
Post with grant financed from funds under Ministerial Decree 118/2023 - Cultural Heritage	<p>1 GRANT entitled: Action plan for the revamping of the cultural heritage of a small provincial village at risk of depopulation and abandonment and logics for the protection of "micro-stories deposits"</p> <p>Company period at Associazione acqua: 6 months Mandatory overseas mission: 6 months Project contact: GRASSIGLI GIANLUCA</p> <p>1 GRANT entitled: Art, culture, traditions: a way for the sustainable enhancement of the villages of the Umbrian Apennine Ridge</p> <p>Company period at Euromedia Srl: 6 months Mandatory overseas mission: 6 months Project contact: GALASSI CRISTINA</p>
Post with grant financed from funds under Ministerial Decree 118/2023 - Public administration	<p>1 GRANT entitled: A sun was born into the world. The image of St. Francis of Assisi in Italy through the centuries between synchrony and diachrony: an itinerary of knowledge and valorisation of the cultural heritage of public administrations in Central Italy</p> <p>Company period at Euromedia Srl: 6 months Mandatory overseas mission: 6 months Project contact: GALASSI CRISTINA</p>
Post with grant financed from funds under Ministerial Decree 118/2023 - PNRR	<p>1 GRANT entitled: <i>Ars in Situ</i>: new set up and reconstruction proposals of the ancient artifacts contexts of provenience in the museum exhibits</p> <p>Company period at Studio Arch. Roberto Bassignani: 6 months Mandatory overseas mission: 6 months Project contact: POLCARO ANDREA</p>
Post with grant financed from funds under Ministerial Decree 118/2023 - Digital and ecological transitions	<p>1 GRANT entitled: Collection, study, edition and publication in paper and electronic format of the Greek epigraphs from north-central Apulia</p> <p>Company period at Direzione regionale musei Puglia: 6 fino a 9 months Mandatory overseas mission: 6 months Project contact: NAFISSI MASSIMO</p>
Curricula	<ol style="list-style-type: none"> 1. History and civilizations of the ancient world 2. Art and History from Medieval to Modern Times 3. 3. Modern and Comparative Literatures

Coordinator	LIZZI RITA
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Degrees required for admission

Specialized degree in : 1/S "Cultural anthropology and ethnology", 2/S "Archaeology", 5/S "Archiving and library science", 10/S "Conservation of the architectural and environmental heritage", 12/S "Conservation and restoration of the historical-artistic heritage", 13/S "Publishing, multimedia communication and journalism", 15/S "Philology and Literature of Antiquity", 16/S "Modern Philology", 17/S "Philosophy and History of Science", 18/S "Theoretical, Moral, Political and Aesthetic Philosophy", 21/S "Geography", 24/S "Information Technology for the Humanities", 40/S "Italian Language and Culture", 41/S "Afro-Asiatic Languages and Literatures 42/S 'Modern Euro-American languages and literatures', 43/S 'Foreign languages for international communication', 44/S 'Linguistics', 51/S 'Musicology and musical heritage', 60/S 'International relations', 70/S 'Political science', 72/S 'Religious sciences', 73/S 'Performing arts and multimedia production', 93/S 'Ancient history', 94/S 'Contemporary history', 95/S 'History of art', 96/S 'History of philosophy', 97/S 'Medieval history', 98/S 'Modern history', 99/S 'European studies', 101/S 'Communication theory', 104/S 'Literary and technical-scientific translation';

- Master's degree in: LM-1 "Cultural Anthropology and Ethnology", LM-2 "Archaeology", LM-5 "Archiving and library science", LM-10 "Conservation of Architectural and Environmental Heritage", LM-11 "Sciences for the Conservation of Cultural Heritage", LM-14 "Modern Philology", LM-15 "Philology, Literatures and History of Antiquity", LM-19 'Information and publishing systems', LM-36 'African and Asian languages and literatures', LM-37 'Modern European and American languages and literature', LM-38 'Modern languages for communication and international cooperation', LM-39 'Linguistics', LM-45 'Musicology and musical heritage', LM-52 'International relations', LM-57 "Sciences of adult and lifelong education", LM-59 "Sciences of public communication, business and advertising", LM-62 "Political science", LM-65 "Performing arts and multimedia production", LM-78 "Philosophical sciences", LM-80 "Geographical sciences", LM-81 "Sciences for development cooperation", LM-84 "Historical sciences", LM-85 "Pedagogical sciences", LM-89 "History of art", LM-90 "European studies", LM-92 "Theories of communication", LM-93 "Theories and methodologies of e-learning and media education", LM-94 "Specialist translation and interpreting", LMR/02 "Conservation and restoration of cultural heritage", LM-14. "Modern philology (A043 qualification)", LM-37. "Modern European and American Languages and Literature (A045 qualification)", LM-45. "Musicology and musical heritage (A032 qualification)";

Degree awarded under the system prior to the entry into force of Ministerial Decree 509/1999, equated to the above-mentioned specialised and magisterial degrees, pursuant to current regulations on equivalence for the purposes of participation in public competitions.

The selection procedure

The selection procedure will be carried out as follows:

Assessment of qualifications and interview (in 60ths: 30 + 30).

The assessment of qualifications will cover the university educational pathway, as well as any further educational pathways and professional and research experience and any scientific publications (it is advisable to attach and/or declare all the qualifications obtained, complete with any element useful for the assessment, including, for educational pathways, the individual marks of profit achieved throughout the entire educational pathway).

The assessment will also include the candidates' elaboration of a research project of their choice, lasting three years, aimed exclusively at evaluating the candidate on one of the topics of the curricula into which the doctorate is divided.

Under penalty of non-appraisal, the qualifications must be submitted in accordance with Article 3 of the call for applications and Annex 2; **the research project itself must be submitted together with the application for participation in the selection.**

The interview will focus on the subjects of the curricula in which the doctorate is articulated. The interview will also be aimed at verifying the candidate's aptitude for research, willingness to carry out experiences abroad and scientific interests. To this end, the candidate will illustrate, during the interview, the research project proposal submitted with the application for participation in the selection for the purpose of assessing the qualifications. The interview, at the candidate's choice, may be held in English. For interviews held in Italian, knowledge of the English language will be tested.

The interview will be held by videoconference, unless the Commission decides to hold it in person, assessing the candidates' requests to hold the interview by videoconference in the light of the reasons given.

The pass mark for the interview is **21/30**.

With reference to the post reserved for graduates from foreign universities, the selection procedure is carried out according to the same procedures: **assessment of qualifications and interview (in 60ths: 30+30)**; please refer to all the above.

Eligibility is achieved with an overall mark of 39/60 or higher.

Interview calendar:

Please note that, pursuant to art. 4 of the Notice, on **8 August 2023** a **notice** will be published on the University's website at <https://www.unipg.it/didattica/percorsi-post-laurea/dottorati-di-ricerca/bandi-avvisi-e-modulistica> and on the University's online notice board, announcing the **arrangements for the interview, the dates and times of the convocation** or any other communication concerning this selection. **This notice shall serve as a formal convocation and no personal communications will be sent in this regard.**

Candidates for this doctoral course are therefore invited to consult **the notice of 8 August 2023**.