



Finanziato
dall'Unione europea
NextGenerationEU



Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

Attachment A to Announcement PhD XXXIX round

PhD in ENGINEERING AND APPLIED SCIENCES

Coordinator: Prof.ssa Alessandra Marini

Scientific Area: 01 - Mathematics and informatics

03 - Chemistry

08 - Civil engineering and architecture

09 - Industrial and information engineering

13 - Economics and statistics

Curricula:

- Technologies for Energy and Environment
- Technologies for the conservation, protection, restoration and environmental sustainability
- Technologies for computer science, automation and electronics
- Applied mathematics and statistics

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	15	12	3

Scholarships:

- No. 4 financed by the University, one of which will be allocated to a topic related to the DROPIT project ("Droplet Interaction Technologies") under the agreement with the University of Stuttgart. In case no suitable profile is found to carry out the research within the DROPIT project, the scholarship will be made available for the research topics defined by the Ph.D. faculty for individual doctoral students as part of their individual training plan.

- No. 1 financed by Ministerial Decree 118/2023 for the following PNRR research topics:

1	Project title: Assessment, monitoring and prediction of the impact of climate change in Lombardy using spatio-temporal statistical models
	Reference Professor: Francesco Finazzi

- No. 1 financed by Ministerial Decree 118/2023 for the following digital and environmental transitions research topics:

1	Project title: Development of a digital model for assessing sustainability and resilience along the life cycle of buildings
	Affiliated Institution: Green Building Council - GBC
	Reference Professor: Chiara Passoni and Elisabetta Palumbo

- N. 2 financed under the "ANTHEM (AdvaNced Technologies for Human-centrEd Medicine)" project:

1	Project title: Multiscale microtomography with a laboratory X-ray source applied to medical diagnostics
	Field: Spoke 1 - Data and technology driven diagnosis and therapies
	Reference Professor: Maurizio Santini



2	Project title: Wearable and transdermal sensors for remote monitoring of chronic and frail patients
	Field: Spoke 2 Connecting patients and therapists through adaptive environments and intelligent sensors to enhance proximity medicine
	Reference Professor: Valerio Re

- No. 1 funded under the National Recovery and Resilience Plan (PNRR) Project, for Mission 4, Component 2 (Notice D. D. 341 of 03/15/2022) EXTENDED PARTNERSHIPS - Title "GROWING RESILIENT INCLUSIVE AND SUSTAINABLE (GRINS)" - CUP F83C22001720001:

1	Project title: Geostatic harmonization of heterogeneous datasets and integration into the AMELIA data platform
	Field: PNRR project - area 9 of the extended partnership - Economic and financial sustainability of systems and territories - Project GRINS - Spoke 0: "Data platform and knowledge transfer";
	Reference professor: Alessandro Fassò

- N. 1 financed under the PNRR (National Recovery and Resilience Plan) Project, for Mission 4, Component 2 (Notice D. D. 3138 dated 12/16/2021 corrected by D.D. 3175 dated 12/18/2021) Title: "CENTRO NAZIONALE - Sustainable Mobility Center (CNMS)" CUP F13C22000690001

1	Project title: Development and characterization of wearable sensors for wireless monitoring of physiological parameters to support active mobility
	Field: PNRR Project "Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile - Spoke 5 - Light and active mobility
	Reference professor: Luigi Gaioni

- N. 1 financed by ENEA to carry out the following research topic:

1	Project title: Development and implementation of graphene-based anticorrosive coatings for hydrogen transport networks
	Reference professor: Marina Cabrini

- N. 1 financed by IMAA/CNR to carry out the following research topic:

1	Project title: Statistical modeling of climate change in the upper troposphere/low stratosphere (UTLS) using reference measurements
	Reference professor: Alessandro Fassò
	Please note: Applicants wishing to compete for the above topic are required to indicate their interest during the interview.

Positions with no scholarship

- No. 2 positions without scholarship
- No. 1 position without scholarship reserved for employees of Diapath S.p.A. to carry out the topic below:

1	Project title: Technological innovations in the study of diffusion in histological specimens by X-ray microCT for medical diagnostic applications
	Reference professor: Maurizio Santini

In case a suitable profile is not found among Diapath S.p.A. employees, the position will be made available as a non-reserved position



Finanziato
dall'Unione europea
NextGenerationEU



Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

Modality of selection

Assessment of qualifications and interview

Access requirement:

Possession, by Oct. 31, 2023, of one of the following master's degrees or corresponding degree obtained under the previous regulations:

LM-3 Architettura del paesaggio
LM-4 Architettura e ingegneria edile-architettura
LM-4 c.u. Architettura e ingegneria edile-architettura (quinquennale)
LM-6 Biologia
LM-17 Fisica
LM-18 Informatica
LM-20 Ingegneria aerospaziale e astronautica
LM-21 Ingegneria biomedica
LM-22 Ingegneria chimica
LM-23 Ingegneria civile
LM-24 Ingegneria dei sistemi edilizi
LM-25 Ingegneria dell'automazione
LM-26 Ingegneria della sicurezza
LM-27 Ingegneria delle telecomunicazioni
LM-28 Ingegneria elettrica
LM-29 Ingegneria elettronica
LM-30 Ingegneria energetica e nucleare
LM-31 Ingegneria gestionale
LM-32 Ingegneria informatica
LM-33 Ingegneria meccanica
LM-34 Ingegneria navale
LM-35 Ingegneria per l'ambiente e il territorio
LM-40 Matematica
LM-44 Modellistica matematico-fisica per l'ingegneria
LM-48 Pianificazione territoriale urbanistica e ambientale
LM-53 Scienza e ingegneria dei materiali
LM-54 Scienze chimiche
LM- 56 Scienze dell'economia
LM-66 Sicurezza informatica
LM-71 Scienze e tecnologie della chimica industriale
LM-75 Scienze e tecnologie per l'ambiente e il territorio
LM-82 Scienze statistiche
LM-91 Tecniche e metodi per la società dell'informazione
3/S (specialistiche in architettura del paesaggio)
4/S (specialistiche in architettura e ingegneria edile)
20/S (specialistiche in fisica)
23/S (specialistiche in informatica)
25/S (specialistiche in ingegneria aerospaziale e astronautica)
26/S (specialistiche in ingegneria biomedica)
27/S (specialistiche in ingegneria chimica)
28/S (specialistiche in ingegneria civile)
29/S (specialistiche in ingegneria dell'automazione)
30/S (specialistiche in ingegneria delle telecomunicazioni)
31/S (specialistiche in ingegneria elettrica)
32/S (specialistiche in ingegneria elettronica)

Università degli studi di Bergamo
Scuola di alta formazione dottorale - PhD School
Via dei Caniana 2, 24127 Bergamo
phd-school@unibg.it
T. 035 20.52.253/250/286



Finanziato
dall'Unione europea
NextGenerationEU



Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

33/S (specialistiche in ingegneria energetica e nucleare)
34/S (specialistiche in ingegneria gestionale)
35/S (specialistiche in ingegneria informatica)
36/S (specialistiche in ingegneria meccanica)
37/S (specialistiche in ingegneria navale)
38/S (specialistiche in ingegneria per l'ambiente e il territorio)
45/S (specialistiche in matematica)
50/S (specialistiche in modellistica matematico-fisica per l'ingegneria)
54/S (specialistiche in pianificazione territoriale urbanistica e ambientale)
61/S (specialistiche in scienza e ingegneria dei materiali)
62/S (specialistiche in scienze chimiche)
64/S (specialistiche in scienze dell'economia)
81/S (specialistiche in scienze e tecnologie della chimica industriale)
82/S (specialistiche in scienze e tecnologie per l'ambiente e il territorio)
83/S (specialistiche in scienze economiche per l'ambiente e la cultura)

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

Type of estimable qualifications

Qualification assessments (up to 60 marks):

- *curriculum studiorum*: up to 30 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 20 marks.
- other qualifications, publications, reference letters from Italian or foreign academics: up to 10 points.

Interview (up to 30 marks):

- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals): up to 25 marks;

Interview date:

06/28/2023 at 09:00 a.m. (Italian time) eventually continuing on 06/29/2023 at 9:00 a.m. (Italian time) depending on the number of candidates participating to the interview.

The interview will be carried out via videoconference, on the basis of the commission's decision

The interview will be held in English.



Finanziato
dall'Unione europea
NextGenerationEU



Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

PHD in PHILOLOGICAL AND LINGUISTIC STUDIES ON ORAL AND WRITTEN RECORDS
Coordinator: Maria Grazia Cammarota

Scientific Area: 10 - Ancient, philological-literary and historical-artistic sciences

Curricula:

- Texts, writings and cultural-historical memory
- Languages, scriptures and orality

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	6	5	1

Scholarships:

- No. 1 financed by the University
- No. 2 financed by Ministerial Decree 118/2023 for the following PNRR research topics:

1	Project title: Analysis and valorisation of the medieval documentary heritage in Italy from a philological perspective
	Reference Professor: Nicola Morato

2	Project title: Valorisation of the linguistic and cultural diversity of contemporary Italy
	Reference Professor: Barbara Turchetta

- No. 1 financed by Ministerial Decree 118/2023 for the following Cultural heritage research topics:

1	Project title: Digital transition of medieval notarial acts preserved in the State Archives of Bergamo
	Affiliated Institution: Archivio di Stato di Bergamo
	Reference Professor: Piera Molinelli

- N. 1 financed under the "ANTHEM (AdvaNced Technologies for Human-centrEd Medicine)" project:

1	Project title: Digital Triage in Arabic language: intercultural perspectives
	Field: Spoke 1 - Data and technology driven diagnosis and therapies
	Reference Professor: Lucia Avallone

Positions with no scholarship: no. 1

Modality of selection

Assessment of qualifications and interview

Access requirement:

Possession, by Oct. 31, 2023, of one of the following master's degrees or corresponding degree obtained under the previous regulations:

LM-5 Archivistica e biblioteconomia
LM-14 Filologia moderna

Università degli studi di Bergamo
Scuola di alta formazione dottorale - PhD School
Via dei Caniana 2, 24127 Bergamo
phd-school@unibg.it
T. 035 20.52.253/250/286



Finanziato
dall'Unione europea
NextGenerationEU



Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



UNIVERSITÀ
DEGLI STUDI
DI BERGAMO

LM-19 Informazione e sistemi editoriali
LM-37 Lingue e letterature moderne europee e americane
LM-38 Lingue moderne per la comunicazione e la cooperazione internazionale
LM-39 Linguistica
LM-43 Metodologie informatiche per le discipline umanistiche
LM-48 Pianificazione territoriale urbanistica e ambientale
LM-49 Progettazione e gestione dei sistemi turistici
LM-80 Scienze geografiche
LM-84 Scienze storiche
LM-92 Teorie della comunicazione

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

Type of estimable qualifications

Qualification assessments (up to 60 marks):

- *curriculum studiorum*: up to 20 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 40 marks.

Interview (up to 30 marks):

- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals): up to 15 marks;
- relevance of demonstrated knowledge in the subjects covered by the PhD program: up to 10 marks.

Linguistic competence: English language at an academic level (B2 advanced). Foreign candidates will also be assessed on their knowledge of the Italian at an academic level (B2-C1)

Interview date:

28/06/2023 at 11.30 a.m. (Italian time) eventually continuing on 29/06/2023 depending on the number of candidates participating to the interview.

The interview will be carried out in person and in Italian language. Candidates will be partly interviewed in English.

THE CHANCELLOR
(Professor Sergio Cavalieri)
Documento firmato digitalmente ai sensi
dell'art. 24 del D. Lgs. 82/2005