



**UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO**

Area  
Risorse Umane

Servizio Carriere e Concorsi  
Personale Docente e Ricercatori

*Dati desumibili dalla registrazione a protocollo:  
Numero Repertorio, Numero Protocollo, Titolo,  
Classe Fascicolo Allegati e Riferimenti*

## CHANCELLOR DECREE

SC/ib/eb/fb

### **PUBLIC SELECTION PROCEDURE AS PER ART. 24, OF LAW 30.12.2010, N. 240 FOR THE RECRUITMENT OF N. 10 FIXED-TERM RESEARCHERS ON TENURE TRACK (RTT) AT VARIOUS DEPARTMENTS OF THE UNIVERSITY OF BERGAMO - PICA CODE 24RTT003.**

#### THE CHANCELLOR

HAVING CONSIDERED Law 7.8.1990, no. 241 as amended and supplemented "New rules on administrative procedure";

HAVING CONSIDERED the D.P.C.M. 07.02.1994, no. 174 "Regulation about rules on the access of citizens of the Member States of the European Union to jobs in public administrations";

HAVING CONSIDERED the D.M. 04.10.2000 "Scientific-disciplinary sectors" as amended and supplemented;

HAVING CONSIDERED D.P.R. 28.12.2000, no. 445 "Consolidating act on legislative and regulatory dispositions in terms of administrative documents" as amended and supplemented;

HAVING CONSIDERED the D.Lgs. 30.03.2001, no. 165 "General rules on the organization of work employed by public administrations";

HAVING CONSIDERED Law 15.4.2004, no. 106 containing "Norms relating to the legal safekeeping of documents with cultural interest destined to public use";

HAVING CONSIDERED D.P.R. 3.5.2006, no. 252 "Regulations relating to the legal safekeeping of documents with cultural interest destined to public use";

HAVING CONSIDERED D.Lgs. 11.4.2006, no. 198 rules in terms of equal opportunities for men and women;

HAVING CONSIDERED Law 30.12.2010, no. 240 regulating "Norms in terms of organization of universities, of academic personnel and their recruitment, as well as mandate to the Government to subsidize quality and efficiency of academic systems", in particular art. 24 "Researchers with a fixed term contract", in force since 30.06.2022;

HAVING CONSIDERED MIUR Ministerial Notice prot. no. 2330 of 20.04.2011;

HAVING CONSIDERED D.M. no. 243 of 25.5.2011 regulating criteria and parameters for the preliminary evaluation of candidates in public selections of contract addressees as per s. 24 of Law no. 240 of 30.12.2010;

HAVING CONSIDERED D.M. 4.8.2011, no. 344 concerning "Disciplinary criteria, on the side of Athenaeums, for the evaluation of fixed-term researchers holding national scientific qualification, for the purpose of calls to the role of associated professor";

HAVING CONSIDERED Law 12.11.2011, no. 183 (Financial Act 2012) and, especially, its s. 15 holding instructions in terms of certifications and sworn declarations/affidavit;

HAVING CONSIDERED the D.P.R. 15.12.2011, no. 232 "Regulation for the discipline of the remuneration of university professors and researchers, pursuant to article 8, paragraphs 1 and 3 of the law of 30 December 2010, n. 240";

HAVING CONSIDERED the D.L. 9.2.2012, no. 5 "Urgent dispositions in matter of simplification and development" later converted with amendments by Law 4.4.2012, no. 35;

HAVING CONSIDERED the D. Lgs. 29.03.2012 no. 49 "Discipline for the planning, monitoring and evaluation of budget and recruitment policies of universities, in implementation of the delegation provided for by article 5, paragraph 1, of law no. 240 and for the achievement of the objectives set out in paragraph 1, letters b) and c), according to



- the regulatory principles and directive criteria established in paragraph 4, letters b), c), d), e) and f) and paragraph 5”;
- HAVING CONSIDERED Law 23.11.2012, no. 215 containing provisions in terms of equal opportunities in the composition of contest commissions at public bodies;
- HAVING CONSIDERED the Ministerial Decree of 30 October 2015, No. 855 "Restatement of macro and bankruptcy sectors" and Ministerial Decree of 22 June 2016, No. 494 of rectification of Annex D of the Ministerial Decree 855/2016;
- HAVING CONSIDERED the UE Regulation 2016/679 and the Legislative Decree 30 June 2003 no. 196 "Code on the protection of personal data" as amended and supplemented;
- HAVING CONSIDERED the D.P.C.M. 25.07.2022 "Salary adjustment for non-contractual staff starting", published on Gazzetta Ufficiale no. 213 of 12.09.2022;
- HAVING CONSIDERED the Art. 24, paragraph, 5 of law 20 December 2010 n. 240 which provides: "Within the resources available for planning, starting from the conclusion of the third year and for each of the subsequent years of ownership of the contract, the university evaluates, upon request of the interested party, the owner of the contract itself, who has obtained the national scientific qualification referred to in article 16, for the purposes of being called to the role of second level professor, pursuant to article 18, paragraph 1, letter e)";
- HAVING CONSIDERED the Art. 14, paragraph 6-*duodevicies*, of the aforementioned Legislative Decree. 04/30/2022, n. 36 converted into law, with amendments, by art. 1, paragraph 1, Law 29 June 2022, n. 79, which states: "Until 31 December 2026, to subjects who have been, for at least three years, holders of university researcher contracts pursuant to article 24, paragraph 3, letter a), of law 30 December 2010, n. 240, in the text in force before the date of entry into force of the law converting this decree, and who stipulate a contract pursuant to article 24 of law 30 December 2010, n. 240, as amended by paragraph 6-decies of this article, a period of service equal to three years is recognised, upon request, for classification purposes. In the cases referred to in the first period, the assessment referred to in article 24, paragraph 5, of law 30 December 2010, n. 240, takes place no earlier than twelve months after taking up service. Until 31 December 2026, to subjects who have been holders, for a period of not less than three years, of research grants pursuant to article 22 of law 30 December 2010, n. 240, in the text in force before the date of entry into force of the law converting this decree, and who stipulate a contract pursuant to article 24 of law 30 December 2010, n. 240, as amended by paragraph 6-decies of this article, a period of service equal to two years is recognised, upon request, for classification purposes.";
- HAVING CONSIDERED the Statute of the University of Bergamo published with Chancellor Decree Rep. no. 570/2023 of 1<sup>st</sup> August 2023;
- HAVING CONSIDERED the University Regulations governing the recruitment of fixed-term researchers on tenure track (RTT) pursuant to art. 24 of Law 240/2010, issued with rectoral decree Rep. 478/2023 of 6<sup>th</sup> July 2023;
- HAVING CONSIDERED the University regulations for research integrity and ethics, enacted with D.R. deed No. 387/2016 of 18 July 2016;
- HAVING CONSIDERED The Athenaeum's Ethic Code published with Chancellor Decree protocol no. 14405/I/3 of 19<sup>th</sup> July 2011, as amended with Chancellor Decree Rep. no. 262/2018, of 12<sup>th</sup> April 2018;
- HAVING CONSIDERED current legislation regulating the legal and economic status of academic and research staff at Universities;
- HAVING CONSIDERED the request in accordance to art. 24, of Law 240/2010 for the covering of no. 10 fixed-term researchers on tenure track (RTT) position deliberated by the
- Department of Foreign Languages, Literature and Cultures (20<sup>th</sup> February 2024 session)
  - Department of Law (27<sup>th</sup> February 2024 session);
  - Department of Economics (28<sup>th</sup> February 2024 session);
  - Department of Human and Social Sciences (28<sup>th</sup> February 2024 session);
  - Department of Engineering and Applied Sciences (25<sup>th</sup> March 2024 session);



- Department of Letters, Philosophy, Communication (26<sup>th</sup> March 2024 session);
- Department of Management, Information and Production Engineering (26<sup>th</sup> March 2024 session);

HAVING ACKNOWLEDGED that, with decision of the Board of Governors on the 13<sup>th</sup> March 2024, upon favourable opinion expressed by the Academic Senate in its 11<sup>th</sup> March 2024 session, for procedures marked by selection code no. 1 (L-FIL-LET/10), no. 2 (IUS/18), no. 3 (SECS-P/01), no. 4 (SECS-P/06), no. 5 (SECS-S/01) and no. 6 (M-PED/03), the planning of the position requested by the Department of Foreign Languages, Literatures and Cultures (for selection code no.1), by the Department of Law (for selection code no. 2), by the Department of Economics (for selection codes no. 3, no. 4 and no. 5) and by the Department of Human and Social Sciences (for selection code no. 6) was approved and the issuing of an announcement was authorized;

HAVING ACKNOWLEDGED that, with decision of the Board of Governors on the 10<sup>th</sup> April 2024, upon favourable opinion expressed by the Academic Senate in its 8<sup>th</sup> April 2024 session, for procedures marked by selection code no. 7 (ICAR/11), no. 8 (ICAR/09), no. 9 (L-ANT/08) and no. 10 (ING-IND/34), the planning of the position requested by the Department of Engineering and Applied Sciences (for selection codes no. 7 and no. 8), by the Department of Letters, Philosophy, Communication (for selection code no. 9) and by the Department of Management, Information and Production Engineering (for selection code no. 10) was approved and the issuing of an announcement was authorized;

HAVING CONSIDERED the budget forecast for the year 2024 and the three-year budget for the period 2024-2026 approved by resolution of the Board of Directors of 20 December 2023 and financial availability having been verified;

HAVING ASCERTAINED the necessary funding from budget funds.

## HEREBY DECREES

### Section 1

#### Announcement of the selection procedure

The public selection procedure for n. 10 fixed-term researcher positions on tenure track (RTT), pursuant to art. 24 of Law 240/2010 and the current University Regulations on the matter at the University of Bergamo as specified below:

Selection Code	Department	Number of seats	Group of academic recruitment field	Academic recruitment field	Academic discipline
1	FOREIGN LANGUAGES, LITERATURE AND CULTURES	1	10/F Italian Studies and Comparative Literature	10/F1 Italian Literature	L-FIL-LET/10 Italian Literature
2	LAW	1	12/H Roman Law, History of Medieval and Modern Law and Philosophy of Law	12/H1 Roman and Ancient Law	IUS/18 Roman and Ancient Law



3	ECONOMICS	1	13/A Economics	13/A1 Economics	SECS-P/01 Economics
4	ECONOMICS	1	13/A Economics	13/A4 Applied Economics	SECS-P/06 Applied Economics
5	ECONOMICS	1	13/D Statistics and Mathematical Methods for Decisions	13/D1 Statistics	SECS-S/01 Statistics
6	HUMAN AND SOCIAL SCIENCES	1	11/D Pedagogy and Educational Theories	11/D2 Methodologies of Teaching, Special Education and Educational Research	M-PED/03 Methodologies of Teaching and Special Education
7	ENGINEERING AND APPLIED SCIENCES	1	08/C Design and Technological Planning of Architecture	08/C1 Design and Technological Planning of Architecture	ICAR/11 Building Production
8	ENGINEERING AND APPLIED SCIENCES	1	08/B Structural and Geotechnical Engineering	08/B3 Structural Engineering	ICAR/09 – Structural Engineering
9	LETTERS, PHILOSOPHY, COMMUNICATION	1	10/A Archaeological Sciences	10/A1 Archaeology	L-ANT/08 Christian and Medieval Archaeology
10	MANAGEMENT, INFORMATION AND PRODUCTION ENGINEERING	1	09/G Systems Engineering and Bioengineering	09/G2 Bioengineering	ING-IND/34 Industrial Bioengineering

The specifications and research projects are contained in Annex A to this announcement which constitutes an integral part thereof.



## Section 2

The following candidates, including citizens of Countries outside the European Union, are admitted to the selection procedure:

- those who holding a research PHD (or equivalent) achieved either in Italy or abroad.

For qualifications obtained abroad it necessary to provide a copy of the declaration of equivalence (statement of equipollence decree), in accordance with current legislation on the subject.

The candidate who is not already in possession of the declaration of equivalence of the PhD obtained abroad can apply to the University of Bergamo for the equalization of the training course and the release of the final parchment through the instructions published at the following link: <https://www.unibg.it/ricerca/lavorare-ricerca/dottorati-ricerca/iscrivarsi-dottorato>.

The University of Bergamo can recognize a PhD degree just in case of relevance to the ones already active at the University of Bergamo or, otherwise, the candidate will be entitled to choose the location for the other PhD degrees offered by Italian universities.

The application for participation must necessarily be accompanied by a certificate of submission of this application.

During the pending completion of the aforementioned procedure, the candidate is admitted to the selection with reserve.

It will be the candidate's responsibility to subsequently verify the qualification by requesting the "Attestation of Comparability" from CIMEA (Academic Equivalence Mobility Information Centre), by registering on the Centre's website.

If the candidate turns out to be the winner at the outcome of the competition, he will be invited to present the declaration of equivalence within the terms established by the law before the conclusion of the contract (cfr Art. 11).

The following applicants will not be admitted to the selection procedure:

- those who are already employed on a permanent basis as first or second level university professors or as researchers, even if terminated from service, as well as subjects who have already benefited, for at least three years, from the contracts referred to in Art. 24 paragraph 3 of Law 240/2010 (Fixed-term researchers on tenure track).
- those who are excluded from enjoying civil and political rights;
- those who were removed or discharged from office by any Public Body for insufficient yield, or were dismissed from any other public engagement, in accordance with s. 127 para d) of D.P.R. 10.1.1957, no. 3;
- candidates having any relationship or kinship, up to and including three times removed relatives, either with a professor belonging to the Department issuing the call or with the Chancellor, the General Director and any member of the Board of Directors at the Athenaeum.

The requirements needed to obtain admission must be owned up to the deadline of the application submission period.

This Administration guarantees parity and equal opportunities to both men and women for access and treatment on the job.

## Section 3

### Comparative evaluation disqualification

The following reasons cause disqualification:

- failure to sign the application form;
- deficiency of admission requirements as per s. 2;
- failure to meet the deadline and procedures for submitting the application (including attachments and publications) as mentioned under the following Art. 4.
- sending a number of publications higher than the requested number.

The candidates may be admitted subject to verification in case of supplementary investigation requirements; in this case, they are asked to regularize their application within the terms peremptorily assigned.

The Administration may decide, at any moment, the exclusion of candidates lacking one of the requirements needed for this announcement; the exclusion will be declared by chancellor decree and delivered to the person concerned by registered mail with return receipt or equivalent.





## Section 4

### Application procedure and submission deadline

**Under penalty of exclusion applications for participation in the competition, along with the relevant qualifications held and the relevant scientific publications, shall be submitted online through the following online application procedure:**

<https://pica.cineca.it/unibg/>

The candidate will be able to register and access the platform using the Public Digital Identity System (SPID - security level 2). In case the candidate does not have one, he or she can request it according to the procedure indicated on the website [www.spid.gov.it](http://www.spid.gov.it). Alternatively, the candidate can register and log in using the credentials released directly by the PICA platform.

It is of utmost importance to provide a valid email address in order to enable the registration process on the electronic procedure.

Applicants shall upload all personal and professional data as requested by the application procedure; all documents must be uploaded in PDF format (.pdf).

Each applicant can produce the maximum number of publications foreseen by the competition notice and a maximum of n. 10 other documents.

**Failure to comply with the online application procedure will result in exclusion of the applicant.**

Prior to final submission, and within the given deadline for applications submission, the online application procedure allows to modify and save the inserted information in a draft copy.

Confirmation of final submission date will be certified by an automatic notification email.

**Submissions after the given deadlines will not be accepted by the system, as the online application procedure won't be accessible.**

Each application will be given a registration number. For all further communications, the registration number shall be quoted along with the code of the competition.

The online application and submission procedure shall be completed **by the 30<sup>th</sup> of May 2024 until 12:00 (noon) (Italian time).**

The submission of the online application must be completed and finalized:

- **no digital signature:** in this case the candidate have to download the pdf file of the application by the system; the PDF file shall not be modified in any way, it is to printed, signed in original, scanned in a pdf file and uploaded again on the website;
- **sign the application on the server using ConFirma service:** in order to sign digitally the application, it is necessary to have an hardware (e.g. smart card or USB with digital signature certificate issued by an approved certification body) compatible with ConFirma service; after signing, applicants can download the signed pdf application;
- **sign the application digitally on your PC:** In order to sign digitally the application it is necessary to have an hardware (e.g. smart card or USB with digital signature certificate issued by an approved certification body) and a software for digital signatures in order to create a pdf.p7m file from the pdf file downloaded from this site. The pdf.p7m file must be uploaded in the website again;
- **In case of submission of the application through SPID,** it will not be necessary to sign the application form as it is automatically acquired by the procedure.

**The application must contain all the required data by the system and must be signed and accompanied by a valid identification document of the candidate, under penalty of exclusion.**

For any technical problems, contact support through the link available in the footer.

## Section 5

### Application form

The applicant, filling the application, must declare, under his/her own responsibility, pursuant to what provided for by Presidential Decree 445/2000 and following amendments and integrations, his first and last names, date and place of birth, tax code and address of residence; a mailing address, elected for the purpose of the application, must also be mentioned along with a phone contact and an electronic mail address, eventually PEC.

The candidate must also declare that he/she:

- a) his/her citizenship;



- b) enjoys civil and political rights;
- c) for Italian citizens: is listed in election rolls, specifying the municipality or eventually indicating the reasons why he is not listed or why he was removed from them; for foreign citizens (citizens of the European Union member States, or their families or citizens of third Countries as shown in the preceding letter) enjoys civil and political rights in the Country of citizenship or origin or else the reasons why he/she cannot enjoy them;
- d) was not removed or discharged from office by any Public Bodies on the basis of persistently insufficient yield, that is, was not dismissed from any public employment, as provided by s. 127, letter d) of the Presidential Decree (D.P.R.) 10.01.1957, no. 3;
- e) has not been found guilty of criminal offences and does not have any pending criminal proceedings, otherwise he/she must list such convictions indicating the details of all related judgements and any pending criminal proceedings;
- f) his position in terms of compulsory military service, only for Italian male citizens born within 1985.

In the application form, the candidate will also have to specifically indicate:

- a) that he does not currently hold and has not previously held the position of first or second level professor or permanent university researcher or that he has not held the contracts referred to in Art. for at least three years. 24 paragraph 3 of Law 240/2010 (Fixed-term researchers on tenure track);
- b) not to have any relationship or kinship, up to and including three times removed relatives, either with any professor belonging to the Department issuing the call or with the Chancellor, the Director General or any member of the Board of Directors at this University.

Candidates who wish to take part to comparative evaluations for multiple academic recruitment fields, must also present applications and any attachments separately for each field.

Any address changes must be promptly reported to the *Area Risorse Umane – Servizio Carriere e Concorsi Personale Docente e Ricercatore. (Human Resources Area – Careers and Selections Office for Professors and Researchers)*.

Candidates with non-Italian citizenships shall also have to declare to possess an adequate knowledge of the Italian language.

In accordance with Law 5.2.1992, no. 104, they must specify in the application form the kind of aids needed in relation to their necessities, as well as their possible need of extra times to complete the tests required by this announcement.

The following must be attached to the application form:

- 1. photocopy of a valid identification document;
- 2. *curriculum vitae* describing educational and scientific activity, dated and signed;
- 3. numbered list, dated and signed, of all produced scientific publications (Annex A);
- 4. publications and works that the candidate wishes to assert to the purpose of the procedure, numbered in progressive order matching the relating numbered list;
- 5. In case of qualifications earned abroad, the candidate must provide the reference to the equipollence decree or, otherwise, the certificate of submission of the application (cf. Section 2);
- 6. in the event of foreign applicant, it is necessary to annex: a copy of the residence permit (if the applicant is already in its possession);

The University Administration assumes no responsibility in case the addressee is unreachable or unavailable or in case of dispersion of notices caused by inaccurate indication of the mailing address on the candidate side or on cases of missed or late notice of changes in the mailing address mentioned in the application. Furthermore, the Administration cannot be held responsible for missed or late deliveries of notices related to the selection on grounds that are not attributable to the Administration itself, such as post or telegraph mishandlings, third-party faulty behaviour, fortuitous or force majeure events.

The Administration reserves the right to proceed with suitable checks on the veracity of the contents shown in sworn declarations, as ruled by D.P.R. 445/2000.

We inform you that, as of 1<sup>st</sup> January 2012 in accordance with the dispositions of Law 183/2011, it is forbidden for public bodies and for public service overseers to request the exhibition or the submission of certificates issued by other public bodies in matters of personal status, features and



facts. Therefore, the Athenaeum may not accept, nor request, any certificate in replacement of sworn declarations and affidavits, which must be submitted in substitution of such certificates.

The certificates issued by the bodies in charge of the foreign applicant's Country must be compliant with current regulations of that Country and, also, must be sworn before and certified by the Italian consulate in charge.

A translation into Italian must be attached to acts and documentation that are issued in foreign languages, after certification by an Italian diplomatic or consular delegation.

Making reference to documents or publications previously surrendered to this or to other administrations or making reference to any documentation attached to applications for other selections is not allowed.

### **Section 6 Publications**

The scientific publications that the candidate wishes to enforce to the purposes of the comparative procedure, numbered in progressive order in accordance with the related list (cf. annex A), must be uploaded on IT platform with the application within the peremptory deadline fixed by s. 4. The candidate must specify which publications shown in the curriculum vitae should be considered by the Commission for the purposes of the procedure, not exceeding the maximum number established by the announcement.

The list must match the publications supplied to the purposes of the procedure.

Only publications and texts that are accepted for publication in accordance with current Laws are considered appreciable, as well as essays included in collectanea and articles issued in journals, either printed or in electronic form, with the exception of internal notes and departmental reports.

The publications or articles accepted for publication, by the deadline of the announcement, must be submitted together with the publisher's acceptance document.

The date and place of publication or, alternatively, an ISBN code or equivalent must appear for works printed abroad.

All works printed in Italy up to 1st September 2006 must meet the requirements provided by the Royal Lieutenant Legislative Decree of 31 August 1945 no. 660; as of 2<sup>nd</sup> September 2006, the requirements of Law 106/2006 and of D.P.R. 252/2006 must be met. The fulfilling of the above obligations must be certified by suitable documentation attached to the list of publications or by a sworn declaration issued by the candidate under his own responsibility as ruled by D.P.R. no. 445/2000.

Publications must be submitted in their original language form and translated into one of the following languages: Italian, English, French, German or Spanish. The translated texts can be supplied in typewritten form along with the printed text in the original language. For comparative evaluation procedures referring to linguistic subjects, the submission of publications will be accepted in the original language or in one of the languages for which the announcement is made, even if different from those shown in the preceding paragraph.

### **Section 7 Commission of Evaluation**

By chancellor decree, based on the proposal submitted by the department requesting contract activation, a Commission of Evaluation is nominated formed by three members chosen among I and II level professors, or equivalent level, belonging to the same academic recruitment field. For the composition and the modalities of the constitution of the Commission, is to refer to the current University Regulations on the subject.

The composition of the Commission is made official when published on the website of the Athenaeum of the chancellor decree designating the Commission. Candidates may elect to decline any of the commissioners within 10 days from the date of publication.

The Commission elects a President and a Secretary among its Members.

The Commissions operates in a collegial way, acquiring its own absolute majority decisions, and may avail itself of telecommunication devices.





## Section 8

### Selective procedure processing method

The selective procedure provides for a preliminary evaluation of the candidates, with motivated analytical judgement on qualification, curriculum and scientific production, thereby including PHD thesis, according to internationally appreciated criteria and parameters, as specified by D.M no. 243 of 25.05.2011 and accepted by the judging Commission as per its s. 7.

The Commission, upon first meeting, defines in detail the criteria to be used for preliminary evaluations and for the attribution of scores to qualifications and to each of the publications presented by the candidates that are selected for public debate, still considering and honouring the parameters mentioned by the cited D.M. no. 243 of 25.05.2011.

Following preliminary evaluations, the candidates resulting comparatively worthier are admitted to public debate of their qualification and scientific production, according to the percentage of 20 per cent of the total number of candidates and, in any case, not lower than six. Should the total number of candidates be equal to or lower than six, all of these will be admitted to public debate, during which the knowledge of a foreign language will also be assessed.

After the debate, a merit score is assigned to the qualification and to each of the publications presented by each admitted candidate; the winner will be identified based on the highest score reached.

**The date and place of the public debate of qualifications and scientific production will be communicated through a notice published on the website of the University of Bergamo <http://www.unibg.it>, in the special section "Concorsi e selezioni" (Announcements and Selections) with advance notice of at least 20 days.**

**That warning has notification value and effect. Any change in the date of the interview will be notified to successful applicants at least 20 days in advance by a warning published in the University web site section "Concorsi e selezioni" (Announcements and Selections).**

The absence in the discussion must be considered as a waiver of competition for all purposes.

It is the responsibility of each candidate to monitor the site periodically by consulting the page of the notices related to this selection.

In order to withstand the debate, the candidates must hold a suitable and valid identification document.

The Commission will produce and all its members will sign a special minute for each session, inclusive of attachments.

The Commission's deeds constituted by session reports, will be approved by chancellor decree, later transmitted to the competent department to the purpose of the call proposal.

## Section 9

### Works of the Commission

The Commission must complete its works within three months since the Chancellor's decree of appointment. The Chancellor may extend, only once and for not more than one month, the deadline for the completion of the selection on the grounds of proven reasons pointed out by the President of the Commission. If, after the deadline, the resulting deeds are not produced, the Chancellor will proceed to dismiss the Commission and will nominate a new one in replacement.

## Section 10

### Verification of deed regularity

The acts surrendered by the Commission are approved with chancellor decree usually within thirty days from delivery to the office in charge.

Should the Chancellor observe any irregularity in the deeds related to the procedure, he will return them to the Commission with a motivated provision, fixing a deadline for supplementary investigation.

The deeds will be published on the Athenaeum's website.

## Section 11

### Call of the selected candidate

Once the procedure is complete, the Department Council proposes the selected candidate's call within 60 days from deed approval.



The Department's proposal resolution is adopted according to the methods described in s. 12, paras 2 and 3 of Athenaeum Regulations, ruling comparative evaluation procedures for the call of fixed-term researchers in compliance with the provisions of s. 24 of Law 240/2010.

The contract for the role of fixed-term university researcher is stipulated within the peremptory deadline of ninety days from the conclusion of the selection procedure.

## Section 12

### Scope and duration of the contract

The winner stipulates a fixed-term contract of employment ruled by current legislation, also in terms of compensation, social security and welfare.

As regards foreign applicants needing a residence permit, the date of beginning of the contract will be subject to the completion of the issuing procedure of said permit.

In the event of admission subject to verifying the applicant identified as the winner by the Commission, an investigation aimed at ascertaining the existence of the qualification declared in order to participate in the selection must be concluded before the signing of the contract.

Furthermore, the University will provide insurance coverage as expressly provided for by the Law.

The compensation is equal to the initial sums appertaining to full-time confirmed researchers (gross yearly salary of Euro € 37.200,82, including 13<sup>th</sup> month pay) plus 20%.

The RTT contract has a total duration of six years and cannot be extended or renewed.

The social security and pension scheme is granted to the researcher on the basis of current legislation for fixed-term employment; he is granted whatever provided for by D.Lgs no. 151/2001 in matter of tutelage and assistance to maternity and paternity; in matter of assistance, social integration and rights of disabled people by the Law 104/1992; in matter of extraordinary leave of absence and infirmity leaves as per ss. 3, 40 and 68 of D.P.R. no. 3/57 as modified.

There is a trial period lasting 6 months; the positive or negative evaluation regarding its passing is the responsibility of the Council of the Department concerned; the trial period cannot be renewed or extended upon its expiration.

During the trial period, either party may justifiably withdraw from the relationship at any time and without prior notice.

In the case of early termination of the relationship, the RTT is required to give 30 days' notice. In the event of failure to give notice, the Administration has the right to withhold from the employee an amount corresponding to the salary for the period of notice not given.

For the purposes of the duration of the relationship established with the RTT, periods spent on leave for maternity, paternity or health reasons according to current legislation are not counted, at the request of the contract holder.

## Section 13

### Work relationship

To the purpose of research projects cost-reporting, the representational quantification of yearly research activities, studies and education, including preparatory, verification and organization tasks, equals to 1500 hours for full-time researchers. The total yearly commitment for the implementation of educational activities, integrative didactics and service to students amounts to 350 hours for full-time contracts.

The fixed-term researcher:

- carries out a scientific research activity within the field identified by his profile;
- carries out didactical activities, honouring current legislation and Athenaeum Regulations, in accordance with the resolutions of competent Bodies;
- takes part to Commissions for the verification of students' advancement and final test for the achievement of educational qualifications released by the University, also providing aid in the development of theses;
- carries out student tutoring and guidance tasks to the purpose of organize the plan of studies, establishing a reception calendar;
- may assume responsibility functions in research projects according to and in respect of current Laws;
- takes part to Departmental activities and to didactic Commission meetings based on the modalities disciplined by specific Regulations.



- participates in faculty development courses promoted by the University.

The self-certification of educational activity, integrative didactics and services to students occurs by filling out the register of lessons (for upfront educational activities) and any other register (for all other activities related to didactics).

The RTT is subjected to the health checks required by Legislative Decree no. 81/2008.

Disciplinary competence is ruled by s. 10 of Law 240/2010 and from s. 32 of the Statute.

The researcher is required to observe the provisions of the University regulations in force as regards the research integrity and ethics.

#### **Section 14**

##### **Incompatibility regime and multiple assignments**

In addition to the incompatibility regime pursuant to art. 6, paragraph 9 of Law 240/2010, Fixed-term researcher contracts are not compatible with:

- any other employment entertained with any public or private subject;
- ownership of research grants, even if at other Universities;
- ownership of didactic contracts disciplined on the matter by current legislation;
- doctoral or postdoctoral fellowships;
- any fellowship or grant, in general, bestowed on any grounds.

RTTs are allowed to carry out extra-work tasks, within the limits of the provisions of the University Regulations for the performance of external tasks and activities of professors and researchers.

Fixed-term tenure track researcher contracts do not give rise to rights regarding access to university roles. Employees of Public Administrations, over the entire duration period of the contract pertaining to this announcement, are put on leave, without grants nor social security coverage or, otherwise, in untenured position, where such position is considered possible by membership regulations.

#### **Section 15**

##### **Handling of personal data**

In accordance with articles 13 and 14 of Regulation (EU) 2016/679 (GDPR), on the protection of personal data, and with D. Lgs. n. 196 /2003 and subsequent amendments, it is made known that data is controlled and managed by the legal representative of the University of Bergamo, via Salvecchio 19, - 24129 Bergamo.

Data will be collected exclusively for the present bid purposes and will be kept only for the necessary time to complete the relevant procedures. The data treatment controller will be appointed within the managing unit in charge of bidding procedure, who will carry out the treatment with all due respect of propriety, legitimacy, scope, transparency and confidentiality of the treatment; and data will be used exclusively for purposes connected to the selection and possible contract drafting, as well as management of the following employment position, in compliance with current regulations. Data will be kept for the necessary time to accomplish the selection purposes, subject to the application of norms on document retention, and will be transferred uniquely to public administration bodies directly concerned with the juridical and economic position of the selected applicant, treated in compliance with current regulations and used for personal, welfare, insurance and fiscal position management. Data will be handled by appointed staff through the acquisition of printed and electronic documents and using, even digitalised, filing procedures, to guarantee confidentiality; data treatment will be carried out through a coordinated organization and processing system, applying elevated safety standards. Furthermore, data will not be used for profiling. Applicants who have provided their personal data will be able to access it and exercise their rights as by art. 16 to 22 of GDPR UE 2016/679. Any safeguard request can be addressed to the University Data Protection Officer, who can be contacted through the university website (Privacy and Personal Data Protection section), e-mail [dpo@unibg.it](mailto:dpo@unibg.it). In addition to the right of complaint which can be presented to the Italian Data Protection Authority, Piazza Venezia 11, 00187 Roma.

By presenting their application, candidates thereby authorise and fully consent to publication on the University institutional website of all information concerning the current bid, their own data and the contents of their CV in accordance with 111-bis of D.Lgs.196/2003 stating that, within the scope limits defined by art. 6, par. 1, letter b), of the Regulation, consent is not due for personal data present in a submitted CV.



### **Section 16 Advertisement**

This announcement is published in the Gazzetta Ufficiale IV Special Series - Contests and exams, on the MUR and European Union websites as per s. 24, of Law 240/2010 in form of notice and in the Official Register of the University of Bergamo.

The full contest announcement and any related forms will be published online at the University website <http://www.unibg.it> in the special section *Concorsi e selezioni (Announcements and Selections)*.

The link to the announcement is also published on the Piattaforma Integrata Concorsi Atenei (PICA), at the following address: <https://pica.cineca.it/unibg/>, from which it will be possible to send the online application to the procedure.

### **Section 17 Manager of the procedure**

The person in charge for the selection procedure in this announcement is Dr. Eugenio Bianchi, Manager in charge of the Careers and Selections Office for Professors and Researchers- Palazzo Rezzara, viale Papa Giovanni XXIII, 106 - 24121 Bergamo, telephone 035 2052 876, electronic mail address: [selezionipersonale@unibg.it](mailto:selezionipersonale@unibg.it).

### **Section 18 Final provisions**

Anything not explicitly provided for by this announcement is ruled by Law. 240/2010 as amended and supplemented, the Athenaeum Regulations in terms of recruitment of fixed-term university researchers, current university legislation, as well as the legislation related to employments at public administrations.

Further information may be requested at the office Area Risorse Umane – Servizio Carriere e Concorsi Personale Docente e Ricercatori (Human Resources Area - Careers and Selections Office for Professors and Researchers), Palazzo Rezzara, viale Papa Giovanni XXIII, 106 - 24121 Bergamo, e-mail [selezionipersonale@unibg.it](mailto:selezionipersonale@unibg.it) - telephone 035 2052 876.

*Bergamo, as per protocol registration*

THE CHANCELLOR

Documento firmato digitalmente  
ai sensi dell'art. 24 del D. Lgs. 82/2005



**CODE N. 1**

<b>Department</b>	Department of Foreign Languages, Literature and Cultures
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	10/F – Italian Studies and Comparative Literature
<b>Academic recruitment field</b>	10/F1 – Italian Literature
<b>Academic discipline:</b>	L-FIL-LET/10 – Italian Literature
<b>Service location</b>	Bergamo
<b>Research program</b>	<p>The researcher's activity will relate to the study of the history of Italian novels between the 18<sup>th</sup> and early 19<sup>th</sup> centuries, with a particular focus on the emergence and development of the novel, also in relation to the distribution and characteristics of contemporary and similar narrative genres (memoirs, travel literature, fictional epistolary writings). The research will also analyze the relationships of novels to theater, particularly comic theater and Goldoni's theater. The aim of the research is to describe the ongoing important dialogue between the two categories from both a stylistic and rhetorical as well as a content perspective. More specifically, in order to better contribute to the development of the discipline even in its didactic dimension, the researcher must dedicate himself/herself to deepening the field of study, using the specific methods necessary in these cases, and in particular valorizing the unpublished sources that belong to the literary typologies already cited and have a clear documentary reference to the period under investigation, thus allowing a deeper knowledge of the literary and cultural context inherent in the project. The different research directions require: knowledge of the history of Italian literature and the related critical bibliography; specific skills in archival research, transcription and ecdotal study of unpublished materials; the ability to carry out historical-thematic studies capable of relating the analyzed sources in a comparative and intercultural perspective with contemporary literary experiences both from Italian and from other linguistic-literary realities, in order to scientifically enrich the project.</p>
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	<p>The annual workload for official courses, supplementary teaching and student service activities is foreseen up to no. 350 hours.</p> <p>The teaching activities in BA and in MA courses provided by the Department of Foreign Languages, Literatures and Cultures will be approved by the Department during the teaching planning, in accordance with current legislation University regulations.</p>





<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82

**CODE NO. 2**

<b>Department</b>	Department of Law
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	12/H – Roman Law, History of Medieval and Modern Law and Philosophy of Law
<b>Academic recruitment field</b>	12/H1 – Roman and Ancient Law
<b>Academic discipline:</b>	IUS/18 – Roman and Ancient Law
<b>Service location</b>	Bergamo
<b>Research program</b>	The research activity should focus on the institutes and research themes specific to the disciplinary sector IUS/18, Roman Law, and Rights of Antiquity. In particular, the scientific commitment should concentrate on the evolution of Roman private law and the history of Romanistic tradition, with a particular emphasis on the late antique and Justinianic periods, given the importance of the latter in the genesis of the roots of European continental law.
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and</b>	Educational activities provided by the contract, including integrative and service activities for students, in accordance with the decisions of the university's governing bodies. The researcher is required to carry out the program of activities that will be annually defined by the Academic Senate and the Department during the educational planning. The researcher will conduct teaching activities within the courses offered in the undergraduate, master's, and single-cycle master's degree programs offered by the



<b>research activity characteristics</b>	University. The researcher will also be required to contribute actively by collaborating with the chairs of the courses in the sector for which the position was announced, as well as with integrative and service activities for students and activities related to the preparation of the final exam for the achievement of the bachelor's/master's degree. He/she will also undertake activities related to the PhD in legal sciences of the University of Bergamo.
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	French and English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82

### CODE NO. 3

<b>Department</b>	Department of Economics
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	13/A – Economics
<b>Academic recruitment field</b>	13/A1 – Economics
<b>Academic discipline:</b>	SECS-P/01 – Economics
<b>Service location</b>	Bergamo
<b>Research program</b>	The researcher must carry out scientific activities in the Department in the fields pertaining to the SECS-P/01, as declared by the academic discipline. Research Objectives: the candidate is required to publish in national and international economic journals and actively participate in the scientific debate both in national and international scientific and academic conferences. She/he is also required an acknowledged ability to develop solid and rigorous research methodologies. It is in fact a strategic priority of the University, as well as for the Department of Economics (DSE), to enhance research activities to achieve national and international scientific excellence objectives in the specific academic discipline of the call for applications.



<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	In line with the full-time regime provided for this position by the Regulation on teaching obligations of university professors and researchers (Rep. n. 562/2019, prot. n. 145598/I/003 as of date 6.9.2019), the yearly overall obligation - including teaching hours, supplementary teaching activities and students' hours- is 350 hours, of which 90 of formal lectures. Teaching activities will regard courses related to the above-mentioned scientific sector (13/A1) offered by the Department of Economics or other departments of the University of Bergamo; teaching can be in English as well as in Italian. In addition, the researcher will be asked to contribute to tutorials, Master and PhD thesis' supervision.
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82

#### CODE NO. 4

<b>Department</b>	Department of Economics
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	13/A - Economics
<b>Academic recruitment field</b>	13/A4 - Applied Economics
<b>Academic discipline:</b>	SECS-P/06 - Applied Economics
<b>Service location</b>	Bergamo



<b>Research program</b>	<p>The researcher must carry out research activities at the Department of Economic Sciences in the fields pertaining to the SSD SECS-P/06, with particular reference to the topics of transport economics, in particular air transport, and tourism activities.</p> <p>Scientific productivity objectives: research in the field of applied economics requires the candidate to have publications in national and international journals and to actively participate in scientific debate at both national and international scientific and academic conferences. A demonstrated ability to adopt the most rigorous research methods is also required.</p> <p>Compatible research skills are in any case related to econometric techniques in general, thus able to determine quantitative measures useful for defining policy implications.</p> <p>It is indeed a strategic priority for the University of Bergamo, as well as for the Department of Economics, to strengthen research activity in order to achieve national and international scientific excellence in the specific disciplinary field of the call.</p>
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	<p>Given the full-time commitment regime envisaged for the tenure track fixed-term researcher (RTT) and the Regulations for the assignment of teaching duties to university professors and researchers (Rep. no. 562/2019, prot. no. 145598/I/003 of 6.9.2019), the total annual commitment required for the performance of teaching, supplementary teaching and student service activities is 350 hours, 90 of which are spent on official frontal teaching. The researcher or researcher will carry out his or her teaching activities within the framework of the teaching activities, also in English, of both three-year (bachelor or "laurea triennale") and two-year (master or "laurea magistrale") degree courses belonging to the Department of Economic Sciences (DSE) or to other departments of the University of Bergamo, included in the Italian scientific sector 13/A4 - Applied Economics. The researcher will be asked to contribute to tutoring activities and to the preparation of degree and PhD theses.</p>
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82

**CODE NO. 5**

<b>Department</b>	Department of Economics
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)



<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	13/D – Statistics and Mathematical Methods for Decisions
<b>Academic recruitment field</b>	13/D1 – Statistics
<b>Academic discipline:</b>	SECS-S/01 – Statistics
<b>Service location</b>	Bergamo
<b>Research program</b>	<p>The researcher will be responsible for conducting research activities within the topics covered by the Italian Settore Scientifico Disciplinare SECS-S/01 – STATISTICA, covering both methodological and applied aspects of statistical theory. For example – and not exhaustively – here we mention topics related to statistical models for network analysis, Bayesian models for complex and georeferenced data, and computational methods.</p> <p>Additionally, the researcher will write articles for publication in indexed journals and will attend, as a speaker, national and/or international scientific conferences.</p>
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	<p>The researcher will be required to engage in teaching activities, possibly also in Italian, within the courses concerning the Italian Settore Scientifico Disciplinare SECS-S/01 – STATISTICA, of both undergraduate and graduate programs of our University, and potentially also in doctoral courses. Proficiency in the use of major statistical software is expected as an integrative tool during lectures. The researcher must follow the annual activity program established by the Senato Accademico and the Department during the planning of the teaching activities.</p> <p>Furthermore, the researcher will be asked to contribute to supplementary and service activities for students, as well as initiatives related to preparing the final examination for obtaining the bachelor's/master's degree.</p>
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82





**CODE NO. 6**

<b>Department</b>	Department of Human and Social Sciences
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	11/D – Pedagogy and Educational Theories
<b>Academic recruitment field</b>	11/D2 - Methodologies of Teaching, Special Education and Educational Research
<b>Academic discipline:</b>	M-PED/03 – Methodologies of Teaching and Special Education
<b>Service location</b>	Bergamo
<b>Research program</b>	<p>Research activities in the field of teaching and learning, in particular on educational techniques and technology both in school and in the broader context of education and training (classroom and distance teaching), and on inclusive technologies and their use in special teaching, especially with regards to sensory disabilities.</p> <p>Specific fields of investigation will be: a) Web 2.0 services and their impact on learning and relational processes of children and adolescents; b) theories and techniques of multimedia communication, podcasting and digital storytelling; c) systems, tools and methods for teaching with pupils with special educational needs and sensory disabilities; d) computational thinking, coding and robotics.</p>
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	<p>Classroom and distance teaching within the courses and laboratories of educational technology and educational research methodology at the Bachelor's and Master's degree level (with focus on teaching to pupils from 0 to 6 years) and at the Master's degree in Teacher education, as well as in the laboratories on Information and Communication Technology and on Sensory disabilities of the teacher training courses for special needs teachers.</p> <p>Furthermore, a particular commitment is required to provide a contribution to integrative teaching and service activities for students and a support for the development of bachelor's and master's degree theses.</p>
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory



<b>Gross annual salary</b>	€ 37.200,82
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**CODE NO. 7**

<b>Department</b>	Department of Engineering and Applied Sciences
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	08/C – Design and Technological Planning of Architecture
<b>Academic recruitment field</b>	08/C1 – Design and Technological Planning of Architecture
<b>Academic discipline:</b>	ICAR/11 – Building Production
<b>Service location</b>	Dalmine
<b>Research program</b>	<p>The study of self-supporting construction systems represents an opportunity to develop new automated construction techniques, carried out through the knowledge of historical construction systems.</p> <p>The construction of works such as arches, vaults and domes is time and cost intensive due to the need for provisional works, which serve to support the structure during its construction.</p> <p>The proposed research project aims to continue studies already undertaken at the Department of Engineering and Applied Sciences of the University of Bergamo on self-supporting building systems, so that construction costs and time can be significantly reduced.</p> <p>Starting from the analysis of historical building systems such as the "herringbone" or "Nubian" system, the research first aims to automate the construction of self-supporting masonry shells through partially or fully robotic construction processes.</p> <p>Algorithms for automating the construction of such structures will be devised and optimized, focusing on their use as a function of their primary physical-mechanical characteristics.</p> <p>In addition, space will be given to the use of innovative and frontier technologies to assist the workers in the construction of the work, reducing construction time and tracking errors.</p> <p>The researcher is required to have relevance of previous research activity to the topics of the project, as well as previous experience in parametric design, numerical analysis for discrete element method, and their implications in history and architecture.</p> <p>Any foreign experience in modeling, form-finding of masonry systems and in the use of innovative technologies to aid in the construction of self-supporting building systems will also be considered.</p>



<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	<p>The teaching activities will concern the specific topics of Building production (ICAR/11) for the Building Engineering Bachelor's and Master's degrees. Support to the Building Production courses held in the School of Engineering includes, furthermore, training sessions and assistance to undergraduate and Ph.D students.</p> <p>Teaching activities also extend to the support provided to related ICAR areas and within other degree programs in the same university.</p> <p>Teaching efforts will also flow into the activities of the Doctoral School through lectures and seminars concerning the new lines of research undertaken.</p>
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82

### CODE NO. 8

<b>Department</b>	Department of Engineering and Applied Sciences
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	08/B – Structural and Geotechnical Engineering
<b>Academic recruitment field</b>	08/B3 – Structural Engineering
<b>Academic discipline:</b>	ICAR/09 – Structural Engineering
<b>Service location</b>	Dalmine
<b>Research program</b>	<p>The researcher's activities will be carried out in the field of the integrated requalification of the existing building heritage; in particular, the researcher will develop design methodologies and innovative retrofit techniques aimed at increasing the sustainability, safety and resilience of buildings, by adopting the Life Cycle Thinking approach.</p> <p>As far as the design procedures is concerned, a multi-performance-based design approach for the design of sustainable holistic interventions will be developed, aimed at maximizing structural performance and minimizing environmental and economic impacts on the building life cycle, as well as</p>



	<p>at defining metrics and indicators of economic and environmental sustainability of the interventions.</p> <p>As for the techniques, the research will focus on the structural conceptual design of exoskeleton solutions for the mitigation of the seismic risk, using dry prefabricated solutions, assembled with standardized connection systems, repairable in the event of an earthquake, flexible and adaptive to be implemented within incremental rehabilitation interventions, which can be completely dismantled to allow the recycling / reuse of components at the building end of life.</p> <p>Tackling such research topics will require: expertise in life cycle thinking approaches and knowhow in the LCT principles; expertise in the field of integrated retrofit of existing buildings with both over-resistant and dissipative solutions, with particular reference to shell exoskeletons assembled outside the building; knowhow about macro and micro prefabrication and on dissipative and over-resistant connection systems; experience in structural analysis and numerical modeling of existing buildings and in non-linear dynamic analyses; knowhow of the metrics of sustainability, and expertise in the quantification of impacts and costs of deep renovation interventions over the life cycle.</p>
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	Teaching activities will be carried out within the courses of Structural Engineering at the Department of Engineering and Applied Science. 90 hours/year are expected. Research will encompass theoretical, analytical, numerical and experimental activities.
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82

#### CODE NO.9

<b>Department</b>	Department of Letters, Philosophy, Communication
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None
<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time



<b>Group of academic recruitment field</b>	10/A – Archaeological Sciences
<b>Academic recruitment field</b>	10/A – Archaeological Sciences
<b>Academic discipline:</b>	ANT/08 – Christian and Medieval Archaeology
<b>Service location</b>	Bergamo
<b>Research program</b>	The scientific research activity will be carried out in the thematic areas covered by the academic discipline L-ANT/08 and according to the best internationally recognized standards, with particular reference to the topics of archaeological excavations, architectural heritage and settlements in the Middle Ages, and with specific attention to digital technologies. The research activity will be carried out in harmony with the research lines of the Department. The research is expected to lead to the publication of several scientific contributions in relevant national (including Class A) and international journals and to the dissemination of research results through national and international conferences. A commitment to the internationalization of research will also be required through the development of European competitive projects and inclusion in national and international networks.
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	The researcher will be required to carry out teaching activities of 90 hours (in presence and in innovative formats) within the framework of the Academic discipline L-ANT/08 in the bachelor's degree and master's degree courses, with particular reference to the field of archeology, medieval archaeology, landscape archaeology and methodology of the archaeological research. In addition, he/she will have to contribute to supplementary teaching and student service activities, internship tutoring and in the preparation of the final exam for the Bachelor's and Master's degree.
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82

**CODE NO. 10**

<b>Department</b>	Department of Management, Information and Production Engineering
<b>Type of recruitment</b>	Public selection procedure as per art. 24 of Law 30.12.2010, n. 240 for the recruitment of a fixed-term researchers on tenure track (RTT)
<b>Participation reserves</b>	None





<b>Number of positions:</b>	1
<b>Commitment</b>	Full Time
<b>Group of academic recruitment field</b>	09/G – Systems Engineering and Bioengineering
<b>Academic recruitment field</b>	09/G2 – Bioengineering
<b>Academic discipline:</b>	ING-IND/34 – Industrial Bioengineering
<b>Service location</b>	Dalmine
<b>Research program</b>	The research activity foreseen for the candidate has its object in the study, at a theoretical and experimental level, of topics related to the SSD ING-IND/34 (Industrial Bioengineering), with particular reference to the area of mechanobiology and systems of in vitro culture of cells and tissues, as well as the use of appropriate biomaterials. The research is aimed at studying the responses of biological systems to mechanical stresses and makes use of technologies based on in vitro and ex vivo studies of cells and tissues. The experimental part is combined with the theoretical part by development and validation of numerical models aimed at better planning of experimental activities as well as the processing of data and images obtained with laboratory instrumentation.
<b>Didactic activities provided for by the contract, including integrative and service didactics to students, and research activity characteristics</b>	The teaching activities will take place within the courses of the SSD ING-IND/34, both in the bachelor's degree courses (Health Technology Engineering) and in the master's degree courses (Medical Engineering). These activities, defined within the Department's teaching planning, will include theoretical lessons and practical tests, assistance with exams, tutoring of undergraduates and PhD students and any teaching assignments, assigned as institutional or additional.
<b>Maximum number of publications</b>	12
<b>Oral examination to ascertain the knowledge of the language</b>	English
<b>Verification of knowledge of the Italian language for foreign candidates</b>	Mandatory
<b>Gross annual salary</b>	€ 37.200,82