



GENERAL ADMINISTRATION
PERSONNEL AREA
OFFICE FOR LECTURESHIP COMPETITIONS

RECTOR'S DECREE No. 652 dated 29/04/2021

Selection procedures for the coverage of 2 University Professorships with tenure – Associate category – by a call in accordance with art. 18, paragraph 1, of Law 240/2010 and the University Regulations issued by Rector's Decree (R.D.) 977 dated 9.12.2012, as amended. - Procedure with teaching test.

THE RECTOR

GIVEN Law 240 dated 30.12.2010;
GIVEN the code for the protection of personal data issued by Legislative Decree 196/2003;
GIVEN Law 106/2004 and Presidential Decree 252/2006;
GIVEN Presidential Decree 487 dated 09.05.1994, as amended;
GIVEN R.D. 977 dated 09.12.2013, which issued the Regulation of the University of Bologna governing the call for full and associate professors pursuant to articles 18 and 24 of Law 240/2010 as amended;
GIVEN art. 19 of Legislative Decree no. 33/2013, as amended by art. 18 of Legislative Decree 97/2016, on the obligation to publicise calls for applications and the assessment criteria adopted by Committees;
GIVEN the code of ethics and conduct issued by R.D. 1408 dated 01.10.2014;
GIVEN Ministerial Decree 855 dated 30.10.2015 on the redetermination of competition sectors;
GIVEN the requests for the coverage of positions approved by the Departments;
GIVEN the resolution adopted by the Board of Governors on 30.03.2021;
HAVING CHECKED the availability of funds;

DECREES

ART. 1

The following selection procedures for the coverage of 2 University Professorships with tenure, **Associate category**, are announced by a call in accordance with art. 18, paragraph 1, Law 240/2010:

MAT - DEPARTMENT OF MATHEMATICS

REF. A18C1I2021/1331

COMPETITION SECTOR: 13/D4 - MATHEMATICAL METHODS OF ECONOMY AND ACTUARIAL AND FINANCIAL SCIENCES

SUBJECT GROUP: SECS-S/06 - MATHEMATICAL METHODS OF ECONOMY AND ACTUARIAL AND FINANCIAL SCIENCES

Posts: 1 Place of employment: Bologna

Specific functions	<p>The scientific commitment will entail research relevant to the SECS-S/06 subject group. Topics of interest in particular include but are not limited to mathematical methods for analysing the dynamics and evolution of the economy, finance and social sciences.</p> <p>The teaching commitment, which will entail teaching course units relevant to the SECS-S/06 subject group, will focus primarily on basic mathematics courses that form part of the three-year business and economics degree programmes.</p>
Maximum number of eligible publications	12
Assessment standards	
	<p>Teaching activities. Available points: 15</p>
Teaching activities	<p>Consideration will be given to the volume and continuity of the activities carried out, with particular reference to course units and modules for which responsibility was taken, particularly in the last three years.</p> <p>Consideration will be given to the courses or modules, consistent with the competition sector, for which the candidates have specified the number of classroom teaching hours.</p>
Supplementary teaching and student service activities	<p>Consideration will be given to the supervision of undergraduate and postgraduate dissertations and PhD theses for which the candidate was the principal supervisor, as well as the conduct of seminars, case studies and the tutoring of students.</p>
	<p>Teaching test Available points: 20</p>
Language in which the test is carried out	The teaching test will be carried out in Italian.
	<p>Research and scientific publications Available points: 60</p>
Research activities	<p>The following will be considered:</p> <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres, or participation therein, and other research activities such as the management of, or participation in, the editorial committees of journals; b) ownership of patents; c) receipt of national and international awards and recognitions for research activities.
Research activities	<p>Participation as a speaker at international-level congresses and conferences relevant to the competition sector will also be considered.</p> <p>Consideration will be given to research experience gained abroad and international collaborations.</p>
Scientific production	<p>Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when research activities were involuntarily suspended and other periods of leave or stand-by established by current laws, excluding those allowed for study purposes.</p>
Scientific publications	<p>Consideration will be given to:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication with the SEC-S/06 subject group or closely-related interdisciplinary topics;

	<p>c) scientific importance of the journal in which the publication appears and its readership within the scientific community;</p> <p>d) analytical assessment, applying criteria recognised by the relevant international scientific community, of the individual contribution of the researcher to collaborative works, which will be determined primarily based on the scientific consistency of the publication with the curriculum vitae submitted and with any presentations given at conferences.</p>
Scientific publications	The Committee may make use of one or more bibliometric indicators which will refer to the date of the call for applications.
	<p>Institutional and organisational activities for the University</p> <p>Available points: 5</p>
	Consideration will be given to the volume and continuity of the activities carried out, with regard in particular to management appointments and the commitment made to boards and committees at significant public and private bodies or scientific and cultural organisations, or at the University and/or other Italian and foreign Universities.
Summary of points allocated to the standards	<p>Total available points: 100</p> <p>1. Teaching activities 15 points</p> <p>2. Research activities 60 points</p> <p>3. Activities for the University institutional and organisational 5 points</p> <p>4. Teaching test 20 points</p>

MAT - DEPARTMENT OF MATHEMATICS
REF. A18C1I2021/1332
COMPETITION SECTOR: 01/A4 - MATHEMATICAL PHYSICS
SUBJECT GROUP: MAT/07 - MATHEMATICAL PHYSICS
Posts: 1 Place of employment: Bologna

Specific functions	<p>The scientific activity will be relevant to the MAT/07 subject group, focusing in particular on physical-mathematical models of quantum mechanics and on quantum information theory, both with regard to transmission and computing processes as well as automatic quantum learning.</p> <p>The teaching activity will be relevant to the content of the MAT/07 subject group covered in first-, second- and third-cycle degree programmes.</p>
Maximum number of eligible publications	12
Assessment standards	
	<p>Teaching activities.</p> <p>Available points: 15</p>
Teaching activities	<p>Consideration will be given to the volume and continuity of the activities carried out, with regard in particular to course units and modules for which responsibility was taken.</p> <p>Consideration will be given to the courses or modules, consistent with the competition sector, for which the candidates have specified the number of classroom teaching hours.</p>
Supplementary teaching and student service	Consideration will be given to the supervision of undergraduate and postgraduate dissertations and PhD theses for which the candidate

activities	was the principal supervisor, as well as the conduct of seminars, case studies and the tutoring of students.
	Teaching test Available points: 20
Language in which the test is carried out	The teaching test will be carried out in Italian.
	Research and scientific publications Available points: 60
Research activities	The following will be considered: a) organisation, management and coordination of national and international research centres, or participation therein, and other research activities such as the management of, or participation in, the editorial committees of journals; b) ownership of patents; c) receipt of national and international awards and recognitions for research activities.
Research activities	Participation as an invited speaker at international-level congresses and conferences relevant to the competition sector will also be considered. Consideration will be given to research experience gained abroad and international collaborations.
Scientific production	Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when research activities were involuntarily suspended and other periods of leave or stand-by established by current laws, excluding those allowed for study purposes.
Scientific publications	Consideration will be given to: a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication with the MAT/07 subject group or closely related interdisciplinary topics; c) scientific importance of the journal in which the publication appears and its readership within the scientific community; d) analytical assessment, applying criteria recognised by the relevant international scientific community, of the individual contribution of the researcher to collaborative works, which will be determined based on the scientific consistency of the publication with the curriculum vitae submitted and with any presentations given at conferences.
Scientific publications	The Committee may make use of one or more bibliometric indicators which will refer to the date of the call for applications.
	Institutional and organisational activities for the University Available points: 5
	Consideration will be given to the volume and continuity of the activities carried out, with regard in particular to management appointments and the commitment made to boards and committees at significant public and private bodies or scientific and cultural organisations, or at the University and/or other Italian and foreign Universities.
Summary of points allocated to the standards	Total available points: 100 1. Teaching activities 15 points 2. Research activities 60 points 3. Activities for the University institutional and organisational 5 points 4. Teaching test 20 points

ART. 2

Subjective requirements for admission to the procedure

The procedure is open to:

- a) candidates who have obtained national qualification in accordance with art. 16 of Law 240/2010 for the competition sector or for one of the competition sectors included in the same macro-sector and for the functions that are the subject of the procedure, or for higher functions provided they do not already hold those higher functions;
- b) candidates who are eligible pursuant to Law 210/1998 for the category addressed by the call for applications, solely for the period of duration of the same;
- c) professors permanently employed by a different University in the category addressed by the call for applications;
- d) academics with permanent employment abroad, performing research activities or teaching at university level in positions that are equivalent to those addressed by the call for applications, as determined by reference to the equivalence tables issued by the Ministry.

It is not possible to participate in the procedure if, at the time of applying, the applicant is related, up to and including the fourth degree, directly or by marriage, to a professor within the Department that has requested activation of the post or the structure that has issued the call for applications, or to the Rector, the Director General or a member of the Board of Governors of the University.

If the procedure envisages performing care activities that are an integral part of the teaching and research activities, the candidate must demonstrate, under penalty of exclusion, that he/she meets the subjective requirements to perform said care activities. Said requirements are indicated in the relative job description. The requirements must be met by the deadline for submitting the application.

In the event that the requirements for performing care activities include a degree and a postgraduate specialist diploma, and one or both of these was obtained abroad, the candidate must indicate in their curriculum vitae that they have obtained the statement of equivalence pursuant to art. 38, paragraph 3 of Legislative Decree 165/2001.

The candidate must satisfy the admission requirements envisaged in this article on the last date available for submitting applications for admission to the procedure.

Any subsequent changes with regard to satisfaction of the admission requirements must be notified promptly to the Office for Lectureship Competitions.

Candidates are admitted on a provisional basis. In a justified measure, the Rector may decide at any time to exclude applicants from the procedure for failing to satisfy the established admission requirements.

Art. 3

Submission of applications to participate

Applications to participate in the selection, together with the qualifications held and the documents and publications considered useful for the procedure, **must be submitted online, subject otherwise to exclusion**, using the dedicated IT application available at the following link:

<https://pica.cineca.it/unibo/dr652-29042021/>

The IT application requires the candidate to have an email address for the purpose of self-registration with the system. The candidate must input all the information required to prepare the application and must attach the related documents in PDF format.

The application form must be completed in full, as specified by the online procedure.

Applications and the documents needed to participate in the selection procedure cannot be accepted in any other manner.

The IT application allows the documents entered in draft mode to be saved up until the deadline for submitting the application.

The date of online submission of the application to participate in the selection procedure is certified by the IT system, which issues a receipt that is sent automatically to the candidate by email upon submission of the application.

Once the application is completed and all the attachments have been added, the candidate must ensure that they click on "submit". Completion of the application process will be indicated by the change in the application status which will show as "submitted" rather than in "draft" mode. On completing the application procedure, the candidate will receive an automatic email confirming submission of their application.

The "draft" status does not indicate submission of the application. In order to confirm that they wish to proceed with the application, candidates must ensure that the status of their application shows it has been "submitted". Therefore, only applications showing the "submitted" status by the established submission deadlines will be considered as applications to participate in the procedure and consequently sent to the committee for consideration.

Following the submission deadline, the system will no longer allow the electronic form to be accessed or sent.

Each application will be assigned an identification number that, together with the competition code indicated by the IT application, must be specified in all subsequent communications.

The preparation and online submission of the application must be completed **by and no later than 11.59 pm on the thirtieth day following that of publication of the call for applications in the Italian Official Gazette – IVth special series – Competitions and examinations.**

Users can access the Unibo website (<https://bandi.unibo.it/docenti/procedure-chiamata-professori>) to consult a brief "practical guide to completing the application on the PICA platform".

For this purpose and aware of the criminal penalties for making false declarations or preparing or using false documents, as referred to in art. 76 of Presidential Decree 445 dated 28 December 2000

In their applications, candidates, aware of the criminal penalties for making false declarations or preparing or using false documents, as referred to in art. 76 of Presidential Decree 445 dated 28 December 2000, must indicate and/or provide the following:

- the Department, the competition sector and the subject group for which admission is requested;
- declaration regarding the processing of their personal data and authorisation to use said data;
- their personal identification and contact details;
- their qualifications for admission to the procedure;
- whether they meet the subjective requirements for admission to the procedure, including those related to the performance of care activities, if envisaged in the procedure;
- declarations regarding their enjoyment of civil and political rights in their home country, and regarding any criminal convictions and/or pending criminal trials or proceedings;
- declaration regarding any personal relationships, up to and including the fourth degree, directly or by marriage, with a professor within the Department that has requested activation of the post or the structure that has issued the call for application, or with the Rector, the Director General or a member of the Board of Governors of the University;

- that they agree to notify the Office for Lectureship Competitions about any subsequent changes with regard to satisfaction of the requirements for participation in the procedure;
- declaration of status regarding military obligations (solely for male Italian citizens)
- declaration regarding any removal or dismissal from employment with a Public Administration for persistent poor performance, or the absence of any dismissal from public employment pursuant to art. 127, para. 1.d) of the Consolidated Law governing the Statute of Civil State Employees approved by Presidential Decree 3 dated 10 January 1957, or the absence of any dismissal for disciplinary reasons, including those specified in art. 21 of Decree 29/93;
- declaration regarding their knowledge of Italian;
- declaration regarding any periods of involuntarily suspension from research activities, with particular reference to the performance of parental duties;
- declaration accepting the methods of communication and publication of the documents related to the procedure;
- indication of any support needed in order to take the teaching test, if applicable;
- declaration concerning the possession of any preferential qualifications, of equal value, as provided for by Presidential Decree 487/1994, as amended.

The following must be attached to the application to participate in the procedure:

- a) Photocopy of a valid ID document;
- b) The curriculum vitae (in Italian or English) indicating the candidate's teaching and scientific research experience. This curriculum, duly signed and dated, must contain a declaration in lieu of certification, pursuant to arts. 46 and 47 of Presidential Decree 445/00, confirming possession of all the qualifications indicated therein. If the call for applications envisages the performance of care activities under external agreements, the curriculum of the candidate must confirm satisfaction of the subjective requirements for the performance of said care activities. A CV template has been prepared by the University in order to facilitate assessment by the Committee and is available on the University website (<https://bandi.unibo.it/docenti/procedure-chiamata-professori>) together with this call for applications.
- c) The publications that the candidate intends to submit to the Committee for assessment;
- d) List of publications submitted for analytical assessment.

ART. 4 **Eligible Publications**

The scientific publications that the candidates intend to submit for assessment, numbered in the order listed, must be submitted online using the dedicated IT application available at the following link:

<https://pica.cineca.it/unibo/dr652-29042021/>

The assessment will consider publications and texts accepted for publication in accordance with current regulations, as well as papers included in collected works and articles published in printed or digital journals, with the exclusion of internal notes and departmental reports.

Texts or articles accepted for publication by the deadline for the call for applications must be submitted together with the related acceptance letter from the publisher.

Publications included on the list but not submitted will be ignored by the Committee.

Works printed abroad must indicate the date and place of publication or, alternatively, their ISBN or equivalent code.

Publications must be submitted in Italian or English, except in cases where the possibility of producing the same publications in languages other than those listed above is indicated in the specific schedule referring to the procedure specified in art. 1.

Publications in languages other than those envisaged in the call for applications will only be considered if accompanied by an official translation certificate issued pursuant to the provisions in force. Information about this can be found on the website of the Ministry of Foreign Affairs: http://www.esteri.it/mae/it/italiani_nel_mondo/serviziconsolari/traduzionelegalizzazionedocumenti.html.

Publications will be processed by the Committee solely in the context of this selection procedure

ART. 5

Withdrawal of candidates from the procedure

Candidates may withdraw from the selection procedure by sending an email to the Office for Lectureship Competitions at the address apos.concorsidocenti@unibo.it, attaching a signed declaration in PDF format accompanied by a photocopy of a valid identity document.

ART. 6

Selection committee and procedures

The Committee is appointed pursuant to the instructions contained in arts. 8 and 8-bis of the Regulation governing calls for full and associate professors.

The work of the Committee is completed within three months of appointment by the Rector.

The Committee appoints a Chairman and a Secretary who takes the minutes from among its members. It conducts its work in the presence of all members and adopts resolutions by an absolute majority of the appointed members.

The Committee may use online tools to hold meetings.

The selection is made via a comparative assessment, applying predetermined criteria established by the Committee; these criteria must comply with the qualitative standards set out in Title I of the University Regulations and specified in the call for applications.

The assessment criteria are published on the University's website, on the pages dedicated to each procedure.

Candidates are only included in the final ranking if they score at least 65 points on completion of the assessment.

The Commission ranks candidates who obtain at least the minimum score indicated above. The ranking is only valid in relation to filling the position addressed by the call for applications.

Where there is a tie between two or more candidates, this Administration will request the interested candidates to produce the documentation attesting to any preferential qualifications held and declared when submitting the application.

The candidates will be given a period of time within which to submit the documentation attesting to the preferential qualifications held, which will not be less than seven days. If, upon expiry of the above period, the candidate has not submitted said documentation, the Administration will not take into account the preferential qualification indicated in the application when preparing the ranking lists.

The Rector's Decree approving the documents indicated in the following article takes into account the results of the checks performed on the preferential qualifications.

ART. 7

Teaching test

The teaching test consists in the presentation of a course unit on a topic, relevant to the subject group, drawn at random by the candidate at least 24 hours beforehand.

The topics will be drawn and the teaching test taken online using videoconference technology and conducted through the Teams platform (the workstation used by the candidates must be equipped with a webcam - essential in order to recognise the candidate - microphone and headphones and/or speakers), in compliance with the provisions of the recent Prime Ministerial Decrees setting out the urgent measures to contain and manage the COVID-19 pandemic and the relative provisions and with regard to development of the health emergency.

Access to the sessions will be ensured through a link to the online meetings. The link will be published on the University website (<https://bandi.unibo.it/docenti/procedure-chiamata-professori>) in the section related to the procedure of interest.

The date and time of the draw and of the teaching test, as well as the letter drawn for taking the test, will be published on the University website at the same time as publishing the qualification assessment criteria.

Only candidates who, following the assessment of their qualifications, have at least 60 points will be admitted to take the test.

Candidates will be called to take the test once the assessment criteria have been defined and published on the University website. The date and time of the topic draw and of the teaching test, along with the manner in which said phases will proceed, will also be published on the University website. Publication on the University website shall be deemed for all intents and purposes as notification of the call for the topic draw and the teaching test.

The outcome of the qualifications assessment and the relative test admission score will be communicated via email by the Office for Lectureship Competitions (apos.concorsidocenti@unibo.it).

The Alma Mater Studiorum - University of Bologna accepts no liability with regard to any email sent by the Office for Lectureship Competitions not being received or read. Candidates are responsible for keeping themselves informed by checking the call for applications website for information on the selection.

Draw: each candidate draws a block of three topics from among at least three blocks prepared by the Committee. Within the block drawn, the candidate selects the topic to be presented.

Teaching test: The teaching test will be carried out in Italian or in a foreign language selected by the candidate from among those indicated in the call for applications. The Committee allocates points to the teaching test, formulating also a summary evaluation of the test based on pre-established criteria, and only candidates who are allocated 5 or more points for the test are included in the ranking list.

ART. 8

Completion of the procedure

The selection procedure documents are approved by Rector's Decree within thirty days of their delivery to the office.

Within two months of approval of the documents, the Department that requested coverage of the position adopts a resolution recommending the Board of Governors to call the selected candidate or, in the case of multiple positions, the selected candidates.

The Decree approving the deeds and the Selection Committee minutes are published on the University website at the following web page <https://bandi.unibo.it/docenti/procedure-chiamata-professori>

ART. 9

Processing of personal data

The personal data of candidates will be processed solely in the manner envisaged by current laws and for purposes strictly connected with and conducive to managing the selection procedure.

ART. 10

Reference to the regulations

For all matters not governed by this call for applications, reference is made to the University Regulations governing the call for full and associate professors pursuant to arts. 18 and 24 of Law 240/2010 as amended – link to the Regulations http://www.normateneo.unibo.it/Regolamento_disciplina_chiamata_professori_prima_e_seconda_fascia.html.

ART. 11

Procedure Supervisor

The Procedure Supervisor is Barbara Cavrini, Manager of the Office for Lectureship Competitions (email: apos.concorsidocenti@unibo.it; barbara.cavrini@unibo.it).

THE RECTOR

Signed

(Prof. Francesco Ubertini)