

**Call for applications for the Single-Cycle Master's Degree in
Medicine and Surgery (Code LM-41) in English
2019/2020 Academic Year**

THE RECTOR

Having regard to	Presidential Decree (D.P.R.) No. 686 dated 3rd May 1957;
Having regard to	Law No. 241 dated 2nd August 1990;
Having regard to	Law No. 341 dated 19th November 1990, "Reform of University didactic organization";
Having regard to	Law No. 104 dated 5th February 1992, as amended by Law No. 17 dated 28th January 1999;
Having regard to	Law No. 264 dated 2nd August 1999 "Provisions regarding access to University courses" and in particular, article 1, paragraph 1, sub-section a) and article 4;
Having regard to	Law No. 189 dated 30th July 2002 "Amendment to legislation regarding immigration and asylum" and, in particular, article 26;
Having regard to	memorandum protocol No. 1256 dated 22nd May 2003 in which the Ministry of Education, University and Research (M.I.U.R.) clarified which educational qualifications are to be considered valid to access University courses;
Having regard to	Legislative Decree No. 196 dated 30th June 2003 "Personal Data Code" and EU Regulation 2016/679 (General Regulation on Data Protection);
Having regard to	Ministerial Decree (D.M.) No. 270 dated 22nd October 2004 "Amendments to the Regulation containing provisions regarding the educational autonomy of Universities approved with decree No. 509 dated 3rd November 1999 of the Minister for Universities and scientific and technological research";
Having regard to	the Decree of the Minister for Universities and Research dated 16th March 2007 "Determination of University Masters' Degree codes";
Having regard to	Law No. 170 dated 8th October 2010, "Regulations relating to specific learning disorders at school", and in particular, article 5, paragraph 4;
Having regard to	Decree Law No. 104 dated 12th September 2013, converted with amendments by Law No. 128 dated 8th November 2013;
Having regard to	the University Education Regulations and the Regulations for University Students;
Having regard to	the Ministerial Provisions No. 7870 dated 6th March 2019, and subsequent additions, regarding the matriculation of foreign citizens for University courses for the 2019/2020 Academic Year;
Having regard to	the Minister of Education, Universities and Research Decree No. 542 dated 18th June 2019 that establishes, for the 2019/2020 Academic Year, the procedures and contents of the entrance test to the Master's Degree in Medicine and Surgery in English;
Having regard to	the Minister of Education, Universities and Research Decree No. 595 dated 27th June 2019 and the Decree No. 597 dated 28th June 2019 that establish, for the 2019/2020 Academic Year, the number of available places;

DECREES

The competitive entrance examination for the 2019/2020 Academic Year for admission to the Single-Cycle Master's Degree in Medicine and Surgery in English (*Code LM-41*) is hereby announced on a national level.

Art. 1 - Number of places

The following places are available at the University of Milano – Bicocca:

Medicine and Surgery in English (*Code LM-41 of the Masters' Degrees in Medicine and Surgery*)

Places available in the 1st year:	22 reserved for EU and non-EU citizens legally resident in Italy (art. 26 of Law No. 189/2002) 13 reserved for non-EU citizens resident abroad (requesting a visa)
--------------------------------------	---

Ministerial Decree No. 542 dated 18th June 2019, for the 2019/2020 Academic Year envisages a single national ranking for EU and foreign candidates resident in Italy, referred to in art. 26 of Law No. 189/2002. The ranking for foreign candidates resident abroad is defined by the Universities.

The following are treated as equivalent to EU citizens: the citizens of Norway, Iceland, Liechtenstein and Switzerland and the Republic of San Marino, refugees and beneficiaries of subsidiary protection, personal in office in the foreign diplomatic Representations and in the international bodies established in Italy - accredited by the Italian State or the Holy See and the respective dependent relatives, limited to the spouse and children.

Places possibly not covered in the ranking of non-EU citizens resident abroad can be used for the benefit of EU and non-EU citizens referred to in art. 26 of Law No. 189 of 2002, in due time for the relative rankings to scroll and without prejudice, where possible, to any compensation between universities within the same quota reserved for non-EU students not resident in Italy.

Art. 2 - Admission requirements

The following persons can sit the competitive entrance examination: Italian citizens and EU citizens wherever they are residing, non-EU citizens referred to in art. 26 of Law No. 189/2002^[1] and non-EU citizens resident abroad who have a Diploma from a second level secondary school with a duration of five years or other certificate gained abroad, recognised as suitable. Foreign secondary education qualifications are valid if obtained with a period of schooling of at least 12 years. If the secondary studies diploma was gained with a period of schooling of less than 12 years, candidates have to prove that they successfully completed academic studies for a number of years equal to the required 12 years (for example: the Peruvian school system that envisages a period of schooling of 11 years, has to be integrated with 1 year of University enrolment and by passing all the examinations foreseen).

Refer to the Ministerial Provisions dated 6th March 2019, and subsequent additions, which can be consulted on the following website: <http://www.studiare-in-italia.it/studentistranieri>.

Art. 3 - Enrolment procedure for entrance test

In order to sit the competitive entrance examination candidates are required to enrol using the University portal and pay the fee, following the instructions detailed below. This procedure is a mandatory requirement for the purposes of sitting the test, under penalty of being excluded from the test.

Enrolment is **open from 3rd July 2019 and closes at 15:00 (GMT+1) on 25th July 2019, without exception**, and is to be performed exclusively on-line using the procedure provided on the www.university.it portal.

The candidate is required to indicate the following information during the enrolment procedure:

- a) the centres where the candidate intends to submit his/her application, in order of preference. Such preferences are irrevocable and cannot be integrated after 15.00 (GMT+1) on 25th July 2019. In any event, the last "confirmation" expressed by the candidate within such deadlines shall prevail. The first valid preference means, the best option, in the order of the preferences indicated, relating to the centre and the course for which the candidate can be matriculated, based on the mark obtained and the number of places available.

^[1] Non-Italian citizens who hold a permit of stay or a permit of stay for salaried employment or as a self-employed worker, for family-related reasons, for political asylum, for humanitarian asylum or for religious reasons, or non-Italian citizens regularly resident for at least one year and in possession of a higher education diploma gained in Italy, as well as non-Italian citizens wherever resident who have final diplomas awarded by Italian schools abroad or awarded by foreign or international schools, operating in Italy or abroad subject to bilateral agreements or special regulations to recognise educational qualifications and meet the general terms and conditions required for admission to studies.

If the candidate intends to take the test in an Italian centre then the first option automatically constitutes the centre where the test in question is to be taken. No exceptions are permitted regarding the centre where the test is to be taken.

The possibility to also take the entrance test at one of the foreign centres indicated below has been foreseen for the 2019/2020 Academic Year in order to favour the participation of students resident abroad; the centre must be selected during the test enrolment procedure:

Country	City	Centre Name	Start time (local time)
Brazil	Sao Paolo	Winner Idiomas	09:00
Canada	Toronto	Global Village English Centre	09:00
Cyprus	Nicosia	Pascal Education Ltd	15:00
China	Beijing	School of International Education, Beijing Foreign Studies University	19:00
France	Paris	The British School of Paris	14:00
Germany	Essen	Stevens English Training	14:00
Germany	Munich	Münchner Volkshochschule GmbH	14:00
Greece	Athens	Hellenic English Council Ltd	15:00
Hong Kong	Hong Kong	ITS Tutorial School	19:00
India	Gurugram	Planet EDU – Pvt Limited	17:30
Israel	Tel Aviv	Mobile Testing Solutions	15:00
Italy	Bari	Università degli Studi di Bari	14:00
Italy	Bologna	Università di Bologna	14:00
Italy	Messina	Università degli Studi di Messina	14:00
Italy	Milan	Università degli Studi di Milano	14:00
Italy	Milan	Università degli Studi di Milano-Bicocca	14:00
Italy	Naples	Università degli Studi della Campania "Luigi Vanvitelli"	14:00
Italy	Naples	Università di Napoli "Federico II"	14:00
Italy	Padova	Università degli Studi di Padova	14:00
Italy	Pavia	Università degli Studi di Pavia	14:00
Italy	Rome	Università degli Studi di Roma "Sapienza"	14:00
Italy	Rome	Università degli Studi di Roma "Tor Vergata"	14:00
Italy	Siena	Università degli Studi di Siena	14:00
Italy	Turin	Università di Torino	14:00
Pakistan	Lahore	British Council Lahore	17:00
Poland	Warsaw	Lang LTC	14:00
Saudi Arabia	Jeddah	British Council Jeddah	15:00
South Africa	Johannesburg	British Council Johannesburg	14:00
Spain	Madrid	CESMA Business School	14:00
Switzerland	Zurich	Swiss exams	15:00

Turkey	Istanbul	British Side English Language School	15:00
UAE	Dubai	British Council, Dubai	16:00
United Kingdom	London	Mobile Testing Solutions Ltd	13:00
USA	New York	OHC New York	09:00

b) the possible possession of a language certificate from among those referred to in annex 1 that constitutes an integral part of this competitive entrance examination announcement.

Matriculation is decided in relation to the position in the ranking that is prepared taking into account the places defined for each of the degree courses and the options expressed.

The contribution to sit the test is paid in accordance with the procedures published in the University portal on the enrolment opening date. **A payment that is not accompanied by the online enrolment receipt does not entitle the candidate to sit the entrance test.**

WARNING

Failing to comply with the deadline of 15.00 (GMT+1) on 25th July 2019 for the online enrolment via the ministerial portal www.universitaly.it and paying the contribution to sit the entrance test, in accordance with the procedures indicated above, will result in being excluded from the selective test.

Art. 4 - Differently abled candidates (H) or Candidates with Specific Learning Disorders (SLD)

A candidate with a disability (DIS) or with Specific Learning Disorders (SLD) may use specific supports provided for in the applicable legislation, in order to take the test.

For this purpose, the persons concerned are required to write to info.disabili.dsa@unimib.it strictly **within 25th July 2019** regarding **"MEDICINE AND SURGERY TEST - Application for Supports"** indicating the aids requested and attaching the documentation in PDF format attesting the disability or the specific learning disorder, to enable the University to assess the application and ensure an adequate organisation of the service.

The disability certification, along with the attached *Dichiarazione sostitutiva di atto notorio*, shall be:

- issued by INPS, in accordance with Law No. 118/71 (*invalidità civile*)
- issued by the public healthcare facility with jurisdiction for the territory, in accordance with Law No. 104/92, as subsequently amended (*certificato di handicap*).

The SLD diagnosis shall:

- comply with the criteria of the Consensus Conference (2011);
- indicate the nosographic codes, the explicit wording of the subject SLD, include the information necessary to understand the individual characteristics with details of the areas of strength and weakness;
- in addition, shall be issued by the National Health Service (SSN) facility or by authorities or professionals accredited by the Regions, and no more than 3 years ago if conducted prior to the candidate's coming of age (art. 3 of Law No. 170/2010, and subsequent State-Regions Agreement dated 24/07/2012).

The following aids and supports can be provided:

- additional time (*30% more for candidates with SLD; up to 50% more for candidates with disabilities*);
- accompaniment from and to the test hall by an operator of the University Service for students with Disabilities and SLD;
- in case of particularly significant certified diagnosis, a non-scientific calculator, a video magnifier or a reader chosen by the University with the support of special experts or the University Service for students with disabilities and with SLD;
- other possible aids (*to be specified in the application*).

Candidates with disabilities or SLD residing in foreign countries who intend to take advantage of the envisaged measures must present certification attesting to the disability or the SLD status issued in the country of residence, accompanied by a legal translation in Italian or English. The university bodies charged with examining the certifications will ascertain that the foreign documentation attests to a condition of disability or specific learning disability recognized by Italian legislation.

Failing to send the documentation within the deadlines foreseen in this call for applications will result in the candidate not being entitled to use the supports requested.

Candidates will receive an e-mail from the University Service for students with disabilities and with SLD, within the day preceding the date of the test, sent to the e-mail address notified, to confirm the services activated and all the related logistic-organisational information.

The communication will also include details of the place where the designated staff is to be met in the case of accompaniment and/or assistance.

Users are required to notify the possible cancellation of the accompaniment and/or assistance service(s) by sending a communication to the following address: servizi.disabili.dsa@unimib.it.

Art. 5 - Commission

The Commission is appointed with a Rector's Decree on the basis of a proposal by the Council of the School of Medicine and Surgery. During the test, the Commission will be assisted by the teaching and administrative staff assigned to supervise and identify the candidates.

Art. 6 - Date and place of the test

The entrance test will be held **12th September 2019** at the University of Milano - Bicocca, in Piazza dell'Ateneo Nuovo, 1 - Milan.

The candidates will be distributed according to age, except in the case of the twins.

The addresses of the centres where the entrance test will be performed and the allocation of the lecture hall where the candidate should present himself/herself for the identification procedures will be published on **2nd September 2019** on the Ministry of Education, University and Research (MIUR) website and on the University website www.unimib.it.

Candidates must be present at **11.30** and are required to produce the following documents in order to be admitted to the test:

- a valid identity document (the same document indicated in the enrolment phase);
- the enrolment receipt issued via the online procedure on the University portal;
- in addition, non-EU candidates will be required to present a photocopy of the permit of stay or the entry visa to Italy.

WARNING

Candidates who attend without one of these documents, with invalid documents or after the identification operations have been closed, will not be admitted to the test.

The entrance test will begin at **14:00**. A time of **100 minutes** is assigned to complete the test.

Art. 7 - Examination programme

The entrance test has the same content nationwide and has been prepared by the Ministry of Education, University and Research (M.I.U.R.) and had availed of the Cambridge Assessment with Ministerial Decree (D.M.) No. 542 dated 18th June 2019 and may be found on the Ministry's website: www.miur.it.

The test consists of answering 60 questions, which have five response options, and the candidate is required to select only one response, eliminating the incorrect, arbitrary or less probable conclusions, on the following topics:

- General knowledge (12 questions)
- Logical reasoning (10 questions)
- Biology (18 questions)
- Chemistry (12 questions)
- Physics and Mathematics (8 questions)

based on the programmes referred to in annex A to Ministerial Decree No. 542 dated 18th June 2019 that constitutes an integral part of the Decree.

Art. 8 - Test procedure

Before the test begins on the day of the examination, the person responsible for each lecture hall selects four students from among the candidates present in the hall and verifies with them the integrity of the boxes containing the envelopes which are intended for the candidates; then proceeds to open the boxes and distribute the envelopes in relation to the number of participants; the *sheet of instructions to compile the answer form* is delivered to each candidate. Then the person responsible for each lecture prepares a declaration to state that the boxes were integral, the number of envelopes assigned and the number of envelopes which may not have been used. This declaration is also to be signed by the four students selected.

Each envelope prepared by the Ministry of Education, University and Research (MIUR) contains:

- a) a candidate data sheet, without any identification code;
- b) the questions paper booklet, bearing the envelope identification code, and n.2 blank sheets for the draft;
- c) an answer sheet, bearing the same envelope identification code;
- d) a sheet that indicates:
 - the envelope identification code;
 - details of the University and the degree course to which the test refers.

The substitution that may be rendered necessary during the test of even only one of the documents indicated in points b) and c) entails the substitution of the entire envelope, since identified by the same identification code as the envelope. Any corrections or marks made by the candidate on the *candidate data sheet* do not entail substituting the personal record. The candidate data sheet is only to be substituted if there are difficulties in identifying the candidate: in that case, the Commission will substitute the candidate data sheet taking it from one of the reserve envelopes and the lecture hall minutes will record this operation. In any event, substituting the candidate data sheet never entails substituting the entire envelope.

The candidate:

- a) shall only use the black pen provided by the Commission;
- b) shall indicate the answer selected by marking the corresponding box with an X. The candidate has the possibly of correcting one (and only one) answer that may have already been given to a question, taking care to completely blacken the box marked previously and selecting another box: in any event a mark with an X shall be made in only one of the five boxes to enable the respective score to be assigned;
- c) a small circular figure must be checked to indicate clearly that the candidate does not intend to answer; the answer form foresees a small circular figure corresponding to the progressive number of each question. This indication, once affixed, can no longer be changed; the answer is considered as not given if the candidate does not affix any mark in the answer boxes, even if the circular figure is not checked;
- d) shall duly compile and sign the candidate data sheet, in accordance with the instructions referred to in point e), below;
- e) when the test has been completed the candidate goes to the dedicated station that is provided with a pen; the dedicated station is positioned at an adequate distance from the Commission and the candidate then selects a pair of identical adhesive labels. Each label is to be affixed on the answer sheet and on the candidate data sheet, under the candidate's exclusive responsibility and the candidate must ensure the correspondence of the alphanumeric codes stamped on the pair of labels selected. The candidate must then sign, at the bottom of the candidate data sheet, the statement of truth of the personal details and the correspondence of the codes of the labels affixed to the candidate data sheet and to the answer sheet. After these activities have been completed, the candidate must insert the candidate data sheet in the sealed container present in the dedicated station and then go to the Commission's station where the candidate inserts the answer sheet in the closed container provided for this purpose.

The test may be **annulled** for the following reasons:

- 1) the test is conducted in an examination room other than the examination room where the candidate is registered in the respective hall lists, unless the change was authorised by the examination Commission and this change has been recorded in the minutes;
- 2) the candidate introduces, as well as uses the following in the lecture hall: mobile telephones, palmtop devices, smartphones, smartwatches, tablet, earpieces/earphones, webcam or other similar instrumentation, as well as calculators, manuals, school textbooks, handwritten notes and reference material;

- 3) the candidate's signature or marks or the marks of a member of the Commission are affixed on the answer sheet (both sides);
- 4) any interaction among candidates and/or any attempt to copy from others during the test and/or any attempt to exchange any kind of material during the test, included the answer sheets.

The examination Commission orders the test to be annulled. No score is determined for the annulled test in the cases outlined in sub-sections 1), 2), 3) and 4).

The President of the Commission or the person with responsibility for the lecture hall must retain the following, in the candidate's presence at the time the answer forms are returned:

- a) the envelope control form;
- b) the questions paper booklet;
- c) the candidate data sheet;
- d) n.2 blank sheets for the draft.

The material described above is stored by the University for a period of 5 years both for the purposes of preparing the final merit ranking and for any possible future request to access the documents.

Furthermore, at the end of the test the President of the Commission or the person with responsibility for the lecture hall shall also:

- insert all the answer sheets into one or more containers which must be sealed in the presence of the same candidates called to verify the integrity of the boxes or, however, of four other candidates drawn at random;
- insert all the candidate data sheets into one or more containers which are to be sealed in the presence of the same candidates called to verify the integrity of the boxes or, however, of four other candidates drawn at random;
- affix a signature on the closing edges of the container(s);
- invite the four candidates to sign on the same edges;
- prepare other containers in which to enclose the returned envelopes or the envelopes which were replaced or from which the candidate data sheets were withdrawn, the unused envelopes, the declaration confirming the integrity of the boxes, the number envelopes assigned and the number of envelopes which may not have been used and a copy of the examination room minutes, complete with the examination lists of the candidates.

WARNING

Candidates are not permitted to interact with each other during the test and are not permitted to introduce and use the following in the examination rooms: mobile telephones, palmtop devices, smartphones, smartwatches, tablet, earpieces/earphones, webcam or other similar instrumentation, as well as calculators, manuals, school textbooks, handwritten notes and reference material, white sheets and whatever else may be communicated prior to the start of the test, under penalty of annulment of the test in question. A candidate in possession of the above-mentioned objects shall deposit them prior to the start of the test, in accordance with the procedures which will be indicated by the staff. The University does not guarantee the safe custody and does not accept liability for the possible theft or loss of the foregoing objects.

Supervisory staff will be present in the examination room during the test with the duty of ensuring that the above-mentioned rules and regulations are complied with. Candidates are not permitted to leave the examination room until the test has been completed. At the end of the test, the candidates have an obligation to interrupt all activities relating to the test and to return to the Commission the pen received to take the test.

An applicant that contravenes the above-mentioned provisions or has copied all or part of the test will be excluded from the competitive examination. The Commission and the supervisory staff shall ensure compliance with the provisions in question and shall have the authority to adopt the necessary and consequential measures regarding the observance of such provisions.

The provisions which govern open competitive examinations shall apply for any matters not provided for in this announcement.

Art. 9 - Criteria to assess the test and minimum entrance threshold

1. The following criteria are considered to assess the test:

- a) 1.5 (+1.5) points for each correct answer;
- b) less 0.4 (- 0.4) points for each incorrect answer;

c) 0 points for each omitted answer;

2. In the event of a tied score the following shall prevail:

- a) in descending order, the score obtained by the candidate in answering questions relating to logical reasoning and general knowledge, biology, chemistry, physics and mathematics (respectively);
- b) possession of the language certificates, within the enrolment closing date, as declared by the candidate when enrolling for the test.
- c) the younger candidate shall prevail in the case of a further tied score.

3. EU and non-EU candidates referred to in art. 26 of Law No.189/2002 are admitted to the Master's Degree course referred to in this call for application in the framework of the places available for matriculation, as well as non-EU candidates resident abroad and well placed in the ranking as part of the respective reserved places.

EU and non-EU candidates, referred to in art. 26 of Law No.189/2002 that obtained **a minimum score equal to twenty (20)** in the test are eligible for admission.

The minimum eligibility threshold is not applied with reference to the reserved places intended for non-EU candidates resident abroad. Non-EU applicants residing abroad are eligible only if they have scored more than zero (0). Non-EU candidates residing abroad who have not provided any answer to any question will not be included in the ranking.

Art. 10 - Preparation of the ranking

The Cambridge Assessment **prepares a single national ranking** for the EU and non-EU candidates resident in Italy, referred to in art. 26 of Law No. 189/2002, on the basis of the score obtained by each candidate, in accordance with the criteria set out in art. 10.

The ranking for foreign candidates resident abroad is defined by the Universities.

The ranking is closed with a ministerial measure. The admission eligibility condition only refers to the selection procedure in progress: the selection procedure does not establish any right in relation to accessing courses in years after the year in which the test was taken.

Art. 11 - Access to results, disclosing the single national ranking, deadlines for matriculation and obligations referred to the candidates,

On 26th September 2019 CINECA, on behalf of the Ministry of Education, University and Research (MIUR), will **only publishes the score obtained by the candidates** on the following website: www.universitaly.it, in the area reserved to the candidates, in accordance with the label code, and in compliance with the laws and regulations regarding personal data protection, while ensuring the anonymity of the candidates. These data will remain available on the public website up to the conclusion of the procedures.

The persons responsible for the proceedings of the Universities will send to CINECA the identifying data of each student obtained from the personal record and the scan of the single personal records in pdf format starting from the day after the date of publication of the test results and within five working days; the identifying data will be sent via a reserved website, prepared for the Universities by the Consortium and representing the only means of communication.

On **4th October 2019** the candidates may view their own document, their own score and their own personal record on the Universitaly portal.

On **9th October 2019** the **national ranking of merit by name will be published** in the area reserved to students on the Universitaly portal.

The candidate that, at each scroll of the ranking:

- a) is included in the places available relating to the first valid preference is duly **ASSIGNED** and is required to matriculate at the centre and for the course **ASSIGNED** within the established deadlines. If the deadlines are not complied with, the candidate forfeits the right to be matriculated and any justification for the delay will be deemed immaterial.
- b) is not included in the places available relating to the first valid preference, is duly **RESERVED** for a subsequent choice. In this case, however, the candidate may matriculate at the centre and for the course within the deadlines established or may wait for possible places to become available relating to the best preferences indicated after completion of the

matriculation of the other persons who precede the candidate in the ranking. If the **RESERVED** candidate matriculates then all the other preferences expressed are automatically cancelled.

On **9th October 2019**, the names of the persons who have been **ASSIGNED** to or **RESERVED** for the course and the centre indicated as a first valid preference are published in the area reserved to students in relation to the ranking of merit and the number of places available at the Universities, and the list of these candidates is forwarded to each University.

The ranking by name is published on the same day on the reserved website with the details of the score obtained by each candidate, the position in the ranking and the University to which the candidate has been "assigned" or, taking into account the position in the ranking of all the candidates preceding the candidate in question and the relative preferences relating to the centre, if the candidate is "reserved" or "on hold".

ASSIGNED candidates must proceed to matriculate with the Universities, in accordance with the respective administrative procedures of each University. **RESERVED** candidates may matriculate with the Universities, in accordance with the respective administrative procedures of each University.

In any event, a **maximum time limit of 4 (four) days to matriculate**, including the day to scroll the ranking and excluding Saturdays and holidays is established for both **ASSIGNED** candidates and **RESERVED** candidates who exercise this possibility with reference to the specific scroll, in order enable the national ranking to be adequately managed. The non-matriculation of **ASSIGNED** candidates entails forfeiting the matriculation if not exercised within the deadline of 4 days, as set out above. **RESERVED** candidates who do not exercise this possibility are not excluded from the ranking.

Each University informs CINECA with the names of the matriculated students, via its reserved website, within 5 days from the 9th October 2019 deadline, and however, within 12:00 on the fifth day after each scroll, including the day of publication and excluding Saturdays and holidays.

All candidates, except for matriculated and withdrawn candidates, are required to confirm their interest in the matriculation via the reserved area of the University website within 5 days from the 9th October 2019 deadline, and however, within 12:00 on the fifth day after each scroll, including the day of publication and excluding Saturdays and holidays. In the absence of confirmation the candidate will be excluded from the national rankings in which the candidate was listed and will not retain any entitlement to matriculation. The justification for failing to confirm interest will be considered to be immaterial, except for:

1. extraordinary and unforeseeable facts or cause of force majeure not attributable to the candidate as long as it is proven by suitable documentation;
2. accident and/or illness such as to have made it impossible for the candidate to proceed with the expression of interest within the time allowed, provided that it results from a medical certification issued by the general practitioner or by the territorially competent ASL or by local health facilities or by Entities and professionals accredited with the SSR and certifies the presence of an accident and/or illness with temporary disabling effect. The medical certification must show a date no later than the useful deadline within which the candidate must express confirmation of interest and must cover the last day for the manifestation of the confirmation of interest.

The reporting of the cases indicated above points 1 and 2, as well as the related documentation, must reach the Ministry of Education, University and Research - General Management for the student, development and internationalization of higher education - with headquarters in Rome, Via Michele Carcani n. 61, by using the following e-mail address: dgsinfs.ufficio3@miur.it. Any changes to this address will be made known with subsequent communications from CINECA.

On **16th October 2019**, after receiving the communications from the Universities regarding the names of the matriculated students, CINECA will then proceed with the publication of the new ranking scroll, in relation to the position of merit and to the preferences expressed, in accordance with the procedures indicated previously.

Withdrawals after matriculation, will entail "scrolling" the ranking for the exclusive benefit of the students who are not matriculated, but who are in a valid position, and only if notified until places are still available for the course of the individual University. Any further withdrawals after all the places on the course have been covered will not result in new ranking scrolls.

The Universities are allowed to enrol candidates placed in a useful position in the ranking for the second year of the course exclusively following recognition of the related credits, as well as prior verification of the documented availability of places at the University with respect to the places assigned within the respective cohort of students in the previous programming. Such procedures, such as post-matriculation waivers, involve the sliding of the ranking for the sole benefit of students who are not registered but who are in a useful position, only if communicated as long as there are still available places in the course of the single University. Any further cancellations subsequent to the coverage of all the places in the course will not lead to new rankings.

Enrolments for subsequent years after the first year, following the due procedures for the recognition of credits by the University of destination, may take place exclusively within the limit of the places available after any waiving, relocation, abandonment in the reference year, in relation to the places defined in the annual planning decrees.

Without prejudice to the provisions set out in point 12 of Attachment 2 to the D.M. No. 542 dated 18th June 2019, in relation to the registrations after the first year for which the admission test is not required, with a subsequent Rectoral Decree will be defined any available places, presentation methods and evaluation criteria for applications.

The enrolment for the second year of a student from an EU or non-EU university is always subject to the assessment of the educational path completed by the student requesting the transfer, with particularized details of the degree course, the exams taken, the theoretical studies completed and practical experiences acquired in the University of origin as well as the fixed limit of the number of available places set for each year of the course in the annual program.

Art. 12 - Matriculation procedure

The matriculation procedures for the Master's Degree in Medicine and Surgery in English at the University of Milano - Bicocca are structured subject to the conditions indicated in art. 11 above and in accordance with the procedures, which will be published on **1st October 2019** on the University website on the page of the course of interest.

All communications will be published on the University website and will constitute a formal notification to all intents and purposes, and will replace any personal communication.

WARNING

Failing to matriculate within the deadlines envisaged in any phase of the enrolment procedure will be deemed to be a withdrawal.

It must be noted that enrolment is considered completed with the payment of the initial advance payment/installment within the same terms foreseen for matriculation.

All additional information regarding matriculation is to be requested from the Career Management Office (Student Secretariats) of the School of Medicine and Surgery (segr.studenti.medicina@unimib.it).

Art. 13 - Contacts

Career Management Office (Student Secretariats) - Medicine and Surgery Sector

Building U17 Piazzetta Difesa per le Donne - Milan

Monday: 13.45 – 15.45

Wednesday and Friday: 9.00 – 12.00

E-mail: segr.studenti.medicina@unimib.it

Student Orientation Service - Front Office

Building U17 Piazzetta Difesa per le Donne - Milan

E-mail: orientamento@unimib.it

Refer to the website www.unimib.it - "Orientation - S.O.S." section for details of the days and opening hours of reception.

Foreign Office (Welcome Desk)

Building U17 Piazzetta Difesa per le Donne - Milan

E-mail: welcome.desk@unimib.it

Refer to the website www.unimib.it - "Internazionalizzazione" section for details of the days and opening hours of reception.

PLEASE NOTE: The University's Offices will be closed from 12th to 17th August 2019. Any changes in the days and opening hours of the offices will be published on the following website: www.unimib.it.

Art. 14 - Information regarding the processing of personal data

Please refer to the text referred to in annex 4 to Ministerial Decree No. 542 dated 18th June 2019 (available on the following website: www.miur.it) that is fully reported and transcribed here, and to the text available on the University website (<https://www.unimib.it/servizi/segreteria/informativa-privacy>) for the information document relating to the processing of personal data of candidates (art. 13 of Legislative Decree No. 196 dated 30/06/03 "Personal Data Code", and subsequent amendments and additions, as well as the EU Regulation 2016/679 - General Regulation on Data Protection).

Art. 15 - Disclosure

This Call for Application is published on the University's official notice board and may be consulted on the University of Milano - Bicocca Internet website: (www.unimib.it). The time limit for any appeals commences from the date of publication.

Art. 16 - Person responsible for the proceedings.

Dr. Rosa Tricarico - School of Medicine and Surgery - Student's Services (Via Vizzola, 5 - 20126 Milan) is the person responsible for the competitive examination proceedings referred to in this call for application, pursuant to Law No. 241 dated 7.8.1990, as subsequently amended and supplemented.

Art. 17 - Final provisions

Reference is to be made to the legislative, regulatory and ministerial provisions mentioned in the introduction with regard to all other matters, which are not expressly provided for in this Call for Application.

The mandatory requirement to comply with the deadlines and the provisions referred to in this Call for Application is reiterated.

This University reserves the right to exclude, at any time, candidates who take the test notified with this Call for Application for failing to comply with the provisions detailed therein or for failing to meet the deadlines indicated or the requirements, which are prescribed for candidates.

This document translates the main elements of the 2019 call for applications for the Single-Cycle Master's Degree in Medicine and Surgery (taught in English) at the University of Milan- Bicocca. Please note that the official call for applications is written in Italian and is published on University website www.unimib.it .To the extent any translated part or element of this document conflicts with the Italian version, the Italian version controls and will prevail in case of legal controversies.

THE RECTOR
Prof. Maria Cristina Messa

ANNEX 1

List of language certificates recognised, in accordance with art. 3, paragraph 6, sub-section b) of Ministerial Decree No. 542/2019

Certification Authority	Level	English language certification for the 4 skills
Cambridge English Language Assessment	C2	Cambridge English: Proficiency (CPE)
	C1	Cambridge English: Advanced (CAE)
		Cambridge English: Business Higher (BCE Higher)
B2	Cambridge English: First (FCE)	
	Cambridge English: Business Vantage (BEC Vantage)	
City and Guilds (Pitman)	C2	Level 3 Certificate in International ESOL Diploma Mastery C2
	C1	Level 2 Certificate in International ESOL Diploma Expert C1
	B2	Level 1 Certificate in International ESOL Diploma Communicator B2
Edexcel/Pearson Ltd.	C2	PTE General Level 5 Proficient
	C1	PTE General Level 4 Advanced
	B2	PTE General Level 3 Upper Intermediate
EDI (LCCIEB)	C1	JETSET Level 6
		English for Business Level 4
B2	JETSET Level 5	
	English for Business Level 3	
	English for Commerce Level 3	
IELTS	C2	IELTS band 8.5 – 9.0
	C1	IELTS band 7.0 – 8.0
	B2	IELTS band 5.5 – 6.5
TCL Trinity College London	C2	Integrated Skills in English (ISE) IV
	C1	Integrated Skills in English (ISE) III
	B2	Integrated Skills in English (ISE) II
TOEFL ETS	C1	TOEFL score 110-120
	B2	TOEFL score 87-109

Language certification is automatically recognised to students who attended or are attending a school taught in English for at least one academic year.

Annex A to Ministerial Decree No. 542 dated 18th June 2019.

Programmes for entrance test

The admission to courses requires the possession of general knowledge, with particular focus on the literary, historical-philosophical, social and institutional fields, as well as an ability to analyse various written texts and an aptitude for logical-mathematical reasoning.

Moreover, the knowledge and skills required, however, refer to the knowledge promoted by the schooling institutions which organise teaching and educational activities consistent with the Ministerial Programmes, above all in view of the State Examinations and which also refer to the scientific disciplines of Biology, Chemistry, Physics and Mathematics.

General knowledge and logical reasoning

Assessment of the abilities to use the English language correctly in different contexts and purposes and to complete a piece of reasoning logically, consistent with the premises which are stated in symbolic or verbal form through multiple choice questions formulated also with short propositions, discarding the incorrect, arbitrary or less probable conclusions. The questions will focus on scientific or narrative essays by classical or contemporary authors, or on current texts published in daily newspapers or in general or specialist magazines; they will also focus on cases or problems, also of an abstract nature, whose solution requires the adoption of different forms of logical reasoning.

Questions related to general knowledge on issues addressed during the studies or present in contemporary public discourse, complete this assessment.

For the historical context, the questions may concern, among other things, the aspects characterizing the history of the twentieth century and the present world.

For the social and institutional sphere, in accordance with national guidelines and guidelines and in relation to the activities carried out for "Citizenship and Constitution", the questions may concern, among other things, the Italian Constitution, communication and mass media, the organization of the economy and political life; the different forms of state and government.

Biology

The Chemistry of living organisms.

The biological importance of weak interactions.

Organic molecules present in organisms and the respective functions. The role of enzymes.

The cell as the basis of life.

Cell theory. Cell dimensions. The animal and plant prokaryotic and eukaryotic cell. Viruses.

The cell membrane: structural functions - transport via the membrane.

Cell structures and their specific functions.

Cell cycle and cell reproduction: mitosis and meiosis - chromosome complement and chromosome maps.

Bioenergetics.

The energy currency of cells: adenosine triphosphate (ATP).

Redox reactions in living organisms.

Energy processes: Photosynthesis, glycolysis, aerobic respiration and fermentation.

Reproduction and Heredity.

Life cycles. Sexual and asexual reproduction.

Mendelian Genetics: Mendel's laws and their applications.

Classical genetics: chromosomal theory of heredity - heredity models.

Molecular genetics: DNA structure and duplication, the genetic code, protein synthesis. DNA of prokaryotes. The structure of the eukaryotic chromosome. Genes and the regulation of gene expression.

Human genetics: transmission of mono and polyfactorial characters; hereditary autosomal diseases and diseases related to the X chromosome.

Biotechnologies: recombinant DNA technology and its applications.

Heredity and environment.

Mutations. Natural and artificial selection. Evolutionary theories. Genetic bases of evolution.

Anatomy and Physiology of animals and human beings.

Animal tissues.

Anatomy and physiology of systems and apparatus in human beings and the related interactions.

Homeostasis.

Chemistry

The composition of matter: the aggregation states of matter; heterogeneous systems and homogeneous systems; compounds and elements.

Ideal gas laws.

The structure of the atom: elementary particles; atomic number and mass number, isotopes, the electronic structure of atoms of various elements.

The periodic system of the elements: groups and periods; transition elements. Periodic properties of the elements: atomic radius, ionisation potential, electron affinity, metal characteristic. Relationships among the electronic structure, position in the periodic system and properties of the elements.

The chemical bond: ionic bond, covalent and metal bond. Bond energy. Bond polarity. Electronegativity. Intermolecular bonds.

Fundamentals of inorganic chemistry: nomenclature and the principal properties of inorganic compounds: oxides, hydroxides, acids, salts.

Chemical reactions and stoichiometry: atomic and molecular mass, Avogadro's number, the mole concept and its application, elementary stoichiometric calculations, balancing simple reactions, the different types of chemical reaction.

Solutions: solvent properties in water, solubility, the principal ways of expressing the concentration of solutions.

Equilibriums in aqueous solution.

Elements of chemical kinetics and catalysis.

Oxidation and reduction: oxidation number, concept of oxidant and reducing agent.

Balancing simple reactions.

Acids and bases: the concept of acid and base. Acidity, neutrality and basicity of aqueous solutions. pH. Hydrolysis. Buffer solutions.

Fundamentals of organic chemistry: bonds between carbon atoms, empirical and structural formulae, concept of isomers. Aliphatic, alicyclic and aromatic hydrocarbons. Functional groups: alcohols, ethers, amines, aldehydes, ketones, carboxylic acids, esters, amides. Elements of nomenclature.

Physics

Measures: direct and indirect measures, fundamental and derived quantities, physical dimensions of quantities, knowledge of the decimal metric system and of the CGS System of Units of Measure, Technical (or Practical) (ST) and the International System (SI) of units of measure (names and relationships between fundamental and derived units), multiples and submultiples (names and values).

Kinematics: kinematic quantities, various motions particularly with reference to uniform and uniformly accelerated rectilinear motion; uniform circular motion; harmonic motion (for all motion: definition and relationships between related kinematic quantities).

Dynamics: vectors and operations on vectors. Forces, moments of forces in relation to a given point. Moment of a pair of forces.) Vector composition of forces. Definitions of mass and weight. Acceleration due to gravity. Density and specific

gravity. Law of universal gravitation, 1st, 2nd and 3rd principle of dynamics. Work, kinetic energy, potential energy. Principle of conservation of energy. Impulse and quantity of motion. Principle of conservation of the quantity of motion.

Fluid mechanics: pressure and its units of measure (not only in the SI system). Archimedes' principle. Pascal's principle. Stevino's law.

Thermology, thermodynamics: thermometry and calorimetry. Specific heat, thermal capacity. Mechanisms of heat propagation. Changes of state and latent heat. Ideal gas laws. First and second principles of thermodynamics.

Electrostatics and electrodynamics: Coulomb's law. Field and electric potential. Dielectric constant. Capacitors. Capacitors in series and in parallel. Direct current. Ohm's law. Kirchhoff's principles. Electrical resistance and resistivity, electrical resistors in series and in parallel. Work, power, Joule effect. Generators. Electromagnetic induction and alternating currents. Effects of electrical currents (thermal, chemical and magnetic).

Mathematics

Numerical sets and algebra: natural, whole, rational and real numbers. Order and comparison; order of magnitude and scientific notation. Operations and their properties. Proportions and percentages. Powers with whole, rational exponent and their properties. Radicals and their properties. Logarithms (base 10 and base e) and their properties. Elements of combinatorial calculation. Algebraic, polynomial expressions. Significant products, nth power of a binomial, breaking down polynomials into factors. Algebraic fractions. First and second order algebraic equations and inequalities. Systems of equations.

Functions: fundamental notions of functions and their graphic representations (sectoral, co-sectoral, sign, maximum and minimum, increasing and decreasing, etc.). Elementary functions: whole and fractional algebraic, exponential, logarithmic, goniometric. Compound functions and reverse functions. Goniometric equations and inequalities.

Geometry: polygons and their properties. Circumference and circle. Measures of length, surfaces and volumes. Isometry, similarities and equivalences on the plane. Geometric locations. Measuring angles in degrees and radians. Sine, cosine and tangent of an angle and their significant values. Goniometric formulae. Resolution of triangles. Cartesian reference system on the plane. Distance of two points and the midpoint of a segment. Straight line equation. Parallelism and perpendicularity conditions. Distance of a point from a straight line. Equation of a circumference, a parabola, a hyperbola, an ellipse and their representation on the Cartesian plane. Pythagoras' Theorem. Euclid's theorems (first and second).

Probability and statistics: frequency distributions according to type of characters and the principal graphic representations. Notion of random and event experiment. Probability and frequency.

**AREA DELLA FORMAZIONE E DEI SERVIZI AGLI STUDENTI
SETTORE MEDICINA E CHIRURGIA**

DICHIARAZIONE SOSTITUTIVA DI ATTO DI NOTORIETÀ ⁽¹⁾

Al Magnifico Rettore dell'Università degli Studi di Milano-Bicocca

Io sottoscritto/a _____
Cognome Nome

Nato/a a _____ (_____) in data _____
Luogo Prov

Residente in Via/Piazza _____ n. _____

Comune _____ Prov.(_____) _____

CAP _____ Telefono fisso _____ cellulare _____

avvalendomi delle disposizioni di cui agli artt.3 e 47 del D.P.R. n.445/2000 e consapevole, ex art. 76, che chiunque rilascia dichiarazioni mendaci, forma atti falsi o ne fa uso, è punito ai sensi del codice penale e delle leggi speciali in materia ed incorre, altresì, nella decadenza dai benefici di cui all'art. 75 DICHIARO SOTTO LA MIA RESPONSABILITÀ CHE ⁽²⁾

l'allegata fotocopia del **certificato medico** di _____

rilasciato da _____

di cui l'originale è

- in mio possesso
 depositato presso l'Ente

è conforme all'originale.

Letto, confermato e sottoscritto

Per uso⁽³⁾ _____

Data _____
(Firma del dichiarante)

(1) La predetta dichiarazione può essere rilasciata dai cittadini dell'Unione europea. Può altresì essere rilasciata da cittadini di Stati non appartenenti all'Unione europea, regolarmente soggiornanti in Italia, qualora i dati dichiarati siano certificabili o attestabili da parte di soggetti pubblici italiani (art.3 co.2 D.P.R. n.445/2000).

(2) Le dichiarazioni sostitutive dell'atto di notorietà non possono contenere manifestazioni di volontà (accettazioni, rinunce, deleghe, cessioni, impegni o altri atti negoziali).

(3) Indicare l'istanza/procedimento in relazione al quale la dichiarazione viene rilasciata. La dichiarazione deve a) essere sottoscritta in presenza del dipendente addetto oppure b) inviata unitamente a fotocopia di documento di riconoscimento valido del dichiarante.

I dati personali saranno trattati ai sensi del Decreto Legislativo n.196 del 2003 (Codice in materia di protezione dei dati personali) e sue successive modifiche e integrazioni, nonché del Regolamento UE 2016/679 (Regolamento Generale sulla Protezione dei dati). E' possibile prendere visione dell'informativa al seguente link <https://www.unimib.it/ateneo/protezione-dei-dati-personali>