



## UNIVERSITA' DEGLI STUDI DI MESSINA

Call for admission to single cycle master's degree courses in

### MEDICINE and SURGERY

Admission notice

Academic Year 2018/2019

**HAVING REGARD TO** Law of 9 May 1989, n. 168;

**HAVING REGARD TO** Law of 7 August 1990, n. 241 and s.m. and i., on "New rules concerning the proceeding administrative and right of access to administrative documents and subsequent amendments and additions";

**HAVING REGARD TO** Ministerial decree of 14 May 2018 n. 385 that established the modalities and contents of the admission tests to the single cycle degree course in Medicine and Surgery and in Dentistry and Dental Prosthetics in English for the Academic Year 2018/2019;

**HAVING REGARD TO** the above mentioned D.M. n. 385/2018 with which the MIUR considering the technical and computerized services performed in a general and continuative modality from the CINECA university Consortium for the support computer technician connected to the selection procedures, as well as to the management of the rankings;

**HAVING REGARD TO** Ministerial Decree no. 524 of 28 June 2018 with which the MIUR defines, at national level, for the A.Y. 2018/2019, the number of places available for admission to the one-cycle degree course in Medicine and Surgery and in Dentistry and Dental Prosthetics in English for EU and non-EU candidates residing in Italy, as per art. 26 of the Law n. 189 of 2002;

**HAVING REGARD TO** the decision of the Academic Senate that at the meeting of 12 June 2018 approved the Educational Offer for the academic year 2018/2019;

#### Hereby Decrees

##### Art.1 - Places available and participation requirements

It is hereby announced the call for admission to the **Single cycle degree Course in Medicine and Surgery** for the A.Y- 2018/2019.

The admission test to the single-cycle master's degree course in Medicine and Surgery, in which the community candidates participate, the non-community candidates referred to in art. 26 of Law n.189 / 2002 and non-EU candidates residing abroad, is unique and is of identical content in all the test sites. It is prepared by the Ministry of Education, University and Research (MIUR) according to the Cambridge Assessment.

Those who are in possession of the second-level secondary education qualification lasting five years can participate pursuant to art. 1 of the law of 11 December 1969 n.910.

Candidates with a four-year baccalaureate diploma, if winners, will have to collect 20 credits credit (CFU). Among candidates with a qualification obtained abroad may participate in the admission test and those who hold a final qualification of higher education issued by an institution belonging to a foreign school system in Italy or abroad, achieved as a result of a path of at least 12 years of schooling.

Candidates with the final qualification of higher education obtained in a school system that includes 10 or 11 years of schooling can also take part in the admission tests, supplemented by additional and complementary certifications as for Annex 1 of the interministerial provisions of February 19, 2018 and ss.mm.ii

**The number of places allocated by MIUR, for A.A. 2018/2019 has been settled as follows:**

- **Master Degree Course in Medicine and Surgery:** n. 35 places for EU and non-EU candidates residing in Italy, as per art. 26 of the law n.189 / 2002, and n. 25 places for non-EU candidates residing abroad, of which 0 for those of Chinese nationality;

**Art.2 - Content of the admission test and evaluation of the test**

The admission test consists of the solution of 60 (sixty) questions that present five response options, among which the candidate must identify only one, discarding the wrong options, arbitrary or less probable, on topics of: general culture and logical reasoning; Biology; Chemistry; Physics and Mathematics.

On the basis of the programs listed in **Annex 2**, which is an integral part of this decree, two (2) questions of general knowledge, twenty (20) of logical reasoning, eighteen (18) of biology, twelve (12) of chemistry, eight (8) of physics and mathematics are prepared.

The admission test will take place on **13rd September 2018** at this University, as well as in the foreign offices indicated in Table A attached to the aforementioned D.M. n. 385/2018, shown below:

| COUNTRY   | CITY         | CENTRE NAME  | START TIME (LOCAL TIME) |
|-----------|--------------|--|-------------------------|
| Argentina | Buenos Aires | Buenos Aires Open Centre 1                               | 09:00                   |
| Brazil    | Sao Paolo    | Winner Idiomas   | 09:00                   |
| Canada    | Toronto      | Global Village English Centre                            | 09:00                   |
| Cyprus    | Nicosia      | Pascal Education Ltd                                     | 15:00                   |
| 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                                 | UTC + 5:30              |
| Israel    | Tel Aviv     | British Council, Tel Aviv                                | 15:00                   |
| Italy     | Bari         | Università degli Studi di Bari                           | 14:00                   |
| Italy     | Milan        | Università degli Studi di Milano                         | 14:00                   |
| Italy     | Milan        | Università degli Studi Milano -Bicocca                   | 14:00                   |
| Italy     | Rome         | Università degli Studi di Roma "Sapienza"                | 14:00                   |
| Italy     | Rome         | Università degli Studi di Roma "Tor Vergata"             | 14:00                   |
| Italy     | Naples       | Università degli Studi della Campania "Luigi Vanvitelli" | 14:00                   |

|              |               |                                      |       |
|--------------|---------------|--------------------------------------|-------|
| Italy        | Naples        | Università di Napoli Federico II     | 14:00 |
| Italy        | Bologna       | Università di Bologna                | 14:00 |
| Italy        | Turin         | Università di Torino                 | 14:00 |
| Italy        | Pavia         | Università degli Studi di Pavia      | 14:00 |
| Italy        | Siena         | Università degli Studi di Siena      | 14:00 |
| Italy        | Messina       | Università degli Studi di Messina    | 14:00 |
| Poland       | Warsaw        | Lang LTC                             | 14:00 |
| Portugal     | Torres Vedras | International House, Torres Vedras   | 13:00 |
| Saudi Arabia | Jeddah        | British Council Jeddah               | 15:00 |
| Switzerland  | Zurich        | Swiss Exams                          | 15:00 |
| Spain        | Barcelona     | Exams Catalunya S.L.                 | 14:00 |
| Turkey       | Istanbul      | British Side English Language School | 15:00 |
| UAE          | Dubai         | British Council, Dubai               | 16:00 |
| UK           | London        | Mobile Testing Solutions Ltd         | 13:00 |
| USA          | New York      | International House New York         | 09:00 |

**The admission test starts at 2.00 pm and is held for 100 (one hundred) minutes.**

For the assessment of the tests a maximum of 90 (ninety) points are attributed and the following criteria are taken into account:

- Points 1.5 points for each correct answer;
- Minus 0.4 (-0.4) points for each wrong answer;
- 0 points for each omitted answer

### **Art. 3 - Ranking and minimum score threshold**

Based on the score obtained by each candidate, calculated by Cambridge Assessment according to the criteria set out in the previous art. 2, a single national ranking list is drawn up for EU and non-EU candidates as per art. 26 of the law n. 189/2002, according to the procedures referred to in the following art. 6.

The confidential ranking of non-EU candidates residing abroad is defined by the Universities.

Within the places available for enrolled students, candidates to the degree course referred to in this decree are candidates for community and non-EU citizens are admitted as for article 26 of law no. 189/2002 as well as, of the same reserve of ranking, non-EU candidates residing abroad, usefully placed in the classification referred to in the following art. 6

Community and non-EU candidates referred to in art. 26 of the law n. 189/2002 are eligible for admission to the degree programs referred to in this decree if they have obtained in their respective test a **minimum score of 20** (twenty); the unsuitable ones are not included in the ranking. The enrollment to the study courses referred to in this decree is arranged in relation to the placement of the candidates in the ranking of merit resulting from the score they obtained and taking into account the places assigned by the MIUR to the various Universities during the programming and the preferences expressed by the candidates during the registration phase.

In accordance with the community guidelines on the access of foreign students to university education, consistent with the requirements of foreign cultural policy pursuant to art. 46 of the D.P.R. n. 394/1999, with reference to the reserve of seats **reserved for non-EU candidates residing abroad, the minimum eligibility threshold equal to 20 (twenty) points is not applied.** 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 are not included in the ranking

In case of equal points, the following criteria are applied:

- a) in descending order, the score obtained by the candidate in the solution, respectively, of the questions related to the topics of logical reasoning, general culture, Biology, Chemistry, Physics and Mathematics prevails ;
- b) The possession of the linguistic certifications referred to in Annex 3 of this decree (annex 3 of D.M. 385/2018), as declared by the candidate for the registration to the test, prevails. The possession of linguistic certifications required for the purposes of the procedure referred to in this decree is self-certified and made pursuant to art. 46 of the D.P.R. n. 445/2000. This University reserves, in every phase of the present procedure, the truthfulness of the statement made by the candidate , according to the current legislation in matter. The candidate must therefore, provide all the necessary elements to allow the appropriate verification. In the event that the documentation submitted by the candidate was found to be false or untrue, taking into account the penalties from the penal code and the special laws on the matter and the statement by the claimant of damages, the cancellation of the any enrollment, the recovery of any benefits granted and withholding the fees and university fees paid;
- c) In case of further parity, the candidate who is younger prevails.

The condition of eligibility for admission to the degree program referred to in this decree refers to the only selective procedure in place: it does not give rise to any right in relation to access to the course referred to in this decree in years subsequent to the one in which the test was performed.

The closing of the ranking scrolling is arranged with a subsequent ministerial provision, to be issued in the second academic semester in order to allow students to reach the minimum mandatory attendance in order to be able to take the individual exams. Closing the ranking scroll all candidates in a useful position who have confirmed the interest in enrollment pursuant to the following art. 11 of this decree, become assigned and have the obligation to matriculate within the term established in the provision itself. Those who, after completing the enrollment deadline, are not enrolled in the degree course they have been assigned to, forfeit and do not retain any right in subsequent years.

#### **Art. 4 - Nomination of the Commission**

The Commission, composed of teachers and administrative technical staff, will be nominated with a special provision after the expiry of the call.

#### **Art. 5 - Responsible for the procedure**

Pursuant to art. 5, paragraph 1, of the law 241/90, the person in charge of the administrative procedure is the Director of the Administrative Department "Didactic and Advanced Training Services", dr. Carmelo Trommino.

#### **Art. 6 - Procedure for the registration**

From 2 July 2018 until 3:00 pm (GMT + 2) on 24 July 2018 candidates enter the admission test exclusively through the procedure in the University portal ([www.universitaly.it](http://www.universitaly.it)). During registration, candidates are required to register on the University portal indicating their e-mail address and to provide, in order of preference, the universities for which they intend to assert the test and the possible possession of one of the linguistic certifications to the previous art. 3. If the candidate intends to support the test in an Italian office, the first option automatically constitutes the office where the test will be held. No exceptions are allowed on the place where the test is held. These preferences are irrevocable and can not be integrated after 3.00 pm (GMT + 2) on 24 July 2018 deadline for entries. This procedure is mandatory for the purposes of conducting the trial, under penalty of exclusion from the same. In the event that candidates intend to take the test abroad, they must also indicate a foreign office among those referred to in the previous art. 2 of this decree.

The payment of the participation fee for the test is carried out according to the procedures published on University at the opening of the registrations. The payment not accompanied by the online registration receipt does not give the right to participate in the test

At the time of online registration, the candidate, after registering on the University portal, having read the

information on the purposes and methods of processing personal data, through the appropriate computer procedure, provides the following information (all data marked from an asterisk are required):

Surname \*

Name \*

Country of birth \*

City of birth \*

Data of birth \*

Gender\*

Citizenship \*

Tax Code \*

email \*

Document Type\* Document Number\* Issued by\* Valid from\* to\*

Residence: Country\* Province\* City\* Postal Code\* Address\*

Telephone / Mobile (a)

Linguistic certification possibly held

The information referred to in note (a) must be inserted only in the absence of an e-mail address exclusively for the purpose of providing communications regarding the selection procedures. This information is used exclusively for all activities related to the selection for access to the single-cycle master's degree program in Medicine and Surgery in English for which the candidate has submitted the application and the subsequent enrollment.

All the information is kept for five years from the time of online registration of the candidate.

At the end of this period, these data are rendered anonymous. All communications relating to the test will be sent to the e-mail address indicated at the time of registration for the test. It is the responsibility of the candidate to verify and promptly communicate any changes to the e-mail address

**For first useful preference** it is meant, in the order of preferences indicated, the best option relating to the location and the course in which the candidate, according to the score obtained and the number of available places, is enrollable. The registration is completed following the payment of the contribution for the participation in the test according to the procedures indicated on the University portal.

#### **Art. 7 - Candidates with disabilities and candidates diagnosed with DSA**

According to the Law of 5 February 1992, n. 104, and subsequent amendments and additions, the candidates with disabilities will communicate their needs in order to allow an organization of the test that takes them into account.

This candidate is granted an additional time not exceeding 50% more than that required for the performance of the test referred to in the previous art. 2 of this decree. In particular, the candidate with a disability must declare, any necessary assistance, in relation to his / her handicap documented by an appropriate certificate issued by the public health organization competent for the territory, pursuant to Law n. 104/92, as amended by Law no. 17/99.

Candidates diagnosed with specific learning problems (DSA), pursuant to Law 170/2010 and subsequent guidelines n. 5689 D.M. July 12, 2011, must submit appropriate certification issued by no more than three years by the structures of the NHS or by structures and specialists accredited by the same. These candidates are granted an additional time equal to 30% more than a previous one defined by admission as per the previous article 2 of this decree.

The test at foreign offices is organized taking into account any situations of candidates with disabilities or DSA reported by this University.

The aforementioned candidates must present an application accompanied by certification **by 12.30 pm on 10**

**August 2018**, at the General Protocol Operating Unit and University Document Management Unit, located in Piazza Pugliatti, 1 (opening hours from Monday to Friday 9, 00 a.m./ 12,30 p.m.).

The application, accompanied by the necessary certifications, can also be transmitted, **without any exception, within 12,30 of 10<sup>th</sup> August 2018**, by certified e-mail to the address: [protocollo@pec.unime.it](mailto:protocollo@pec.unime.it).

The validity of the above mentioned application is subject, **under penalty of exclusion**, to the use by the candidate of a certified e-mail box (PEC) uniquely attributable to the aspiring candidate, therefore, **applications sent by the certified electronic box of a subject other than the applicant or the simple e-mail box are not admitted.**

Candidates with disabilities or with DSA residing in foreign countries will have to propose an application in which they express their needs accompanied by a legalized certification attesting to the state of disability or DSA issued in the country of residence. The certification must be accompanied by a certified translation into Italian language or in English. The Office in charge of examining the above certifications will verify the conformity of the disability or DSA attested to the current legislation in this area.

**The aforementioned application, accompanied by the necessary certifications and a valid identity document**, must be sent, **without any exception, within 12,30 of 10<sup>th</sup> August 2018**, from the personal email address of the candidate to the [protocol@unime.it](mailto:protocol@unime.it).

The sending via PEC or E-mail (the latter to be used only for candidates resident in foreign countries) must be sent by attaching one or more computer documents in static file extension that can not be changed ("image" or .PDF), including the request duly signed application and any attachments, as well as the identity document. PECs or e-mails with attached instances in .doc, .xls, or in any other non-static file extension will not be accepted.

**The attached computer documents must be received not exceeding 4 MB** (it is advisable to perform black and white scans).

For further information, please contact the "Disability Services / DSA" Staff Unit located in Messina Via Consolato del Mare, n. 41, Palazzo Mariani, dr.ssa Rosalia Faraone, e-mail: [rofaraone@unime.it](mailto:rofaraone@unime.it) (phone 090/6768311).

#### **Art. 8 - University closure planning**

The University will observe the closing period from 13<sup>rd</sup> to 21<sup>st</sup> August 2018.

#### **Art. 9 - Admission test**

The admission test will take place on **13<sup>rd</sup> September 2018** and for its development a maximum time of 100 (one hundred) minutes. **The test will start at 2.00 pm.**

Candidates must be present at **11.00 a.m.**, at the entrance to the classrooms where admission tests will take place, with a legally valid identity document.

The location of these classrooms will be announced by a communication published on the University website.

This University delegates Cambridge Assessment, which assumes responsibility for the correctness of the procedures, to be represented at the foreign offices. The admission test, if it takes place in several places, involves the formulation of a single ranking, drawn up exclusively on the basis of the merit requirements of all the participants.

The identity of the candidates will be ascertained upon entry into the classroom.

- a) Candidates, if multiple classrooms are used, are distributed by age, except for twins;
- b) To fill in the answer form, a black pen must be used, provided by the University or from the foreign office;
- c) It is forbidden for candidates to interact with each other during the test, and to introduce and use in classrooms *mobile phones, PDAs, smartphones, smartwatches, tablets, earphones* or any other similar equipment, as well as to introduce and / or use pens, pencils, stationery (or any other instrument suitable

for writing) in the personal availability of the candidate and / or introduce and / or use manuals, textbooks, as well as partial reproductions of them, handwritten notes, blank sheets and writing material consultation;

- d) The student must compulsorily fill in the personal data sheet and sign it also for the purposes of attestation of correspondence of the data referred to in letter g) at the time of delivery of the test;
- e) the candidate marks the chosen answer by placing the X mark in the corresponding box (tracing the diagonals in the answer square). It is offered the possibility to correct one and only one answer already given to a question, taking care to completely blacken the box previously marked with the sign X by choosing another one: it must ,in any case, be a sign with the sign X , only in one of the five boxes in order to allow to assign the relative score.
- f) The answers module provides, in correspondence with the progressive number of each question, a small circular figure that the student, to give certainty of the will not to answer, must tick. This indication, once affixed, can no longer be changed; if the candidate does not put any sign in the answer boxes, even if he does not bar the circular figure, the answer is considered ,however, not given.
- g) At the end of the test, the candidate is invited to reach a **dedicated station equipped with a special pen**, placed at a proper distance from the Commission, where he must choose a pair of adhesive labels provided there.

Each label must be applied on the answers module and on the personal data sheet of the candidate who must ascertain the correspondence of the alphanumeric codes present on the labels of the chosen pair. The candidate must therefore sign, at the bottom of the personal data sheet, the declaration of veracity of the personal data and correspondence of the codes applied to the personal data sheet and to the answers module.

**At the end of these operations, the candidate must insert the personal data sheet in the sealed container present in the dedicated station and go to the commission station where he inserts the answers module in the closed container prepared there.**

#### **Invalidation of the exam test:**

- 1) The conduct of the examination in a different examination room from the one in whose classroom lists the candidate is enrolled, unless the variation has been authorized by the Examination Committee and the minutes are recorded;
- 2) the introduction and use in the classroom, by the candidate, of mobile phones, PDAs, smartphones, smartwatches, tablets, earphones or any other similar equipment, as well as manuals, textbooks, manuscripts and reference materials ;
- 3) The affixing on the answers module (both on the front and on the back) of the signature of the candidate or of a member of the Commission;
- 4) the interaction between the purposes and / or attempts at copying and / or the attempts of any material, including the exchange of personal data and / or response forms, held by the candidates;

The invalidation of the exam test is ordered by the Commission. In the cases referred to in numbers 1), 2), 3) and 4) the score of the canceled test is not determined.

Each candidate will be given an individual paper file, prepared by Cambridge Assessment, which contains:

- 1) A personal data sheet without any identification code;
- 2) The questions related to the admission test, bearing the identification code of the envelope;
- 3) An answer module with the same identification code as the envelope;
- 4) a sheet on which the identification code of the envelope is affixed, as well as the indication of the University and of the degree course to which the proof refers.

The replacement that may become necessary during the test even of only one of the documents indicated in points 2 and 3 involves the complete replacement of the paper file, as these documents are identified by the same code identifying

Any corrections or signs made by the candidate on the personal data sheet do not entail the replacement of the same. The replacement of the registration form is provided only where the signs or corrections made by the candidate involve an objective difficulty in identifying the candidate: in that case, the Commission replaces the personal data sheet by taking it from one of the reserve paper files and the operation is reported in the classroom exam report. The replacement of the personal data sheet never entails replacing the entire package in any case. For all that is not expressly indicated with regard to the methods for conducting the admission test referred to in this announcement, please refer to the provisions of Attachment no. 1 to the D.M. n. 385/2018

#### **Art. 10 - Merit ranking and matriculation**

The enrollment to the Degree Course referred to in this decree is arranged in relation to the placement in the merit ranking list that is drawn up taking into account the positions defined during the programming and the preferences expressed by the candidates.

- 1) The score obtained by each candidate is determined by Cambridge Assessment according to the procedures established by art. 2 of this Decree. On 27<sup>th</sup> September 2018 the CINECA, on behalf of MIUR, publishes only the score obtained by the candidates according to the label code, on the site [www.universitaly.it](http://www.universitaly.it), in the area reserved for candidates and in compliance with the rules for the protection of personal data. These data remain available in the area reserved for candidates until the conclusion of the procedures
- 2) On October 4<sup>th</sup>, 2018, on their own reserved page of the Universitaly portal, candidates can view their work, their score and their personal data.
- 3) On October 10<sup>th</sup> 2018, the national ranking of nominative merit will be published in the area reserved for students of the Universitaly portal.
- 4) At the time of each ranking slide the candidate who:
  - a) is included in the available places relative to the first useful preference is ASSIGNED and is required to matriculate at the registered office and the course he / she is ASSIGNED within the terms established in the following point 6) . In case of non-compliance with the terms, the candidate loses the right to enroll and the justification for the delay is not relevant;
  - b) Is not included within the available places relative to the first useful preference, is BOOKED on a subsequent choice. In this case, the candidate may enroll in the registered office and in the course in the terms established in point 6), or wait until after the registrations of those who are preceding in the ranking, in the subsequent scroll, can eventually make available places of the best preferences indicated. If the candidate is registered at the place where it is booked, all other express preferences are automatically canceled.
- 5) On October 10<sup>th</sup>, 2018, in relation to the ranking of merit and the number of places available at the University, the names of those who are ASSIGNED or BOOKED to the course and to the location indicated as the first useful preference are published on the area reserved for students. the list of such candidates is provided to each University.
- 6) The functioning and the scrolling of the rankings of each of the degree courses referred to in this decree



for the purposes of enrollment takes place according to the following phases and rules

- a) on October 10<sup>th</sup>, 2018 the name ranking with the indication for each candidate of the score obtained, of the position in the ranking list and of the university in which it is placed as "assigned", will be published, taking into account the ranking of all the candidates preceding it and the relative seat preferences, as "booked" or as "on hold";
- b) the ASSIGNED candidates must provide for the registration at this University according to the administrative procedures established in the relevant scrolling news. The RESERVED candidates can provide for the registration at this University according to the administrative procedures established in the relevant scrolling news. In order to allow the proper management of the national rankings, it is in any case established, both for the ASSIGNED candidates and for the RESERVED candidates, who exercise this possibility with reference to the specific coursing, a maximum term of 4 days for matriculation, including the day on which the ranking is scrolled and excluding Saturdays and holidays. Failure to enroll the ASSIGNED candidates entails the renunciation of the same if not exercised in the aforementioned term of 4 days. The RESERVED candidates who do not exercise this possibility will not be excluded
- c) Within 5 days from the deadline referred to in the previous letter a), and in any case within 12.00 of the fifth day following each scrolling, including the day of publication of the scrolling and excluding Saturdays and holidays, this University, by its own reserved site, communicates to the CINECA the names of the students enrolled.
- d) Within 5 days from the deadline referred to in the previous letter a), and in any case within 12.00 of the fifth day following each scrolling, including the day of publication of the scrolling and excluding Saturdays and holidays, all candidates, made exceptions for the matriculated and the renouncers, must show confirmation of interest in the registration in the reserved area of the University site. In the absence of confirmation, the candidate falls from the national rankings in which he / she is inserted and does not retain any right to enrollment. The justification for the lack of confirmation is not relevant.
- e) On October 17<sup>th</sup>, 2018, the CINECA, received the communications referred to in letter c), proceeding, in relation to the position and merits expressed, to the publication of the new scrolling of the ranking with the procedures indicated in the previous letters b), c) and d)
- f) The subsequent changes in the rankings replicate the procedures and timelines indicated in the previous letters b), c) and d)

#### **Art. 11 - Registration for years following the first one**

Candidates are allowed to register placed in a useful position in the ranking after years following the first, exclusively following the recognition of the related credits, and after checking the documented availability of places for the year of course in which they require enrollment, compared to the places allocated within the respective number of students in previous programs. These procedures, likewise post-matriculation renunciations, involve the scrolling of the ranking for the exclusive benefit of students who are not registered, but who are in a useful position, only if communicated until when places on the relevant course are still available. Any further requests for passage or subsequent cancellations to cover all the places in the course do not lead to new rankings. Registrations following years after the first, following the procedures for credit recognition by the University, can only take place within the limit of the places available following renunciation, relocation, abandonment in the reference year, in relation to the places at the time defined in the annual planning decrees.

For these purposes it is not required to pass the admission test exclusively to those who are already enrolled **on the same single-cycle master's degree program (or who are already enrolled in the single-cycle master's degree course in Medicine and Surgery (class LM / 41) or the single-cycle master's degree course in Dentistry and Dental Prosthetics (LM / 46)** for which the same admission test is required in

another Italian university or community or non-EU university. first for students coming from Community universities or non-EU students is always subject to the assessment of the training course carried out by the student requesting the transfer, with the special characteristics of the degree course, the exams taken, the theoretical studies completed and the practical experiences acquired in the University of origin as well as the unavoidable limit of the number of places available assigned to this University for each year of the course in the annual program. With this aim, it is referred to the Notices related to transfers, as well as to the Teaching Regulations of the degree course referred to in this decree, regarding the criteria for the recognition of credits acquired in the foreign university and the assessment of equivalences, compatibly with number of available places established for transfer to each year following the first one.

#### **Art. 12 - Immatricolazione presso l'Università degli Studi di Messina**

Candidates **ASSIGNED** to the University of Messina must register on-line at <https://unime.esse3.cineca.it> with the procedures and terms in the same indicated. It will not be necessary to deliver the registration documentation at the counter.

#### **Art. 13 - Compulsory vaccinations**

The winning student, will declare his / her commitment to undergo, within 60 days of enrollment, the tuberculin test to be carried out with the Mantoux technique, according to the guidelines for the control of the tuberculosis disease (Agreement March 15, 2013 of the State-Regions Conference) and by Presidential Decree November 7, 2001, n. 465, which regulates vaccination 12 tuberculosis; this test must be performed at the residence ASP. Furthermore, it is suggested, pursuant to Law no. 165 of 27 May 1991, the execution of the vaccination against viral hepatitis B, offered to people who work, study and volunteer in the health sector at the Provincial Health Authority of their municipality of residence.

Within **31<sup>st</sup> January 2019** students must send the relevant certifications by sending them to [protocollo@unime.it](mailto:protocollo@unime.it). failure to comply with this deadline implies the administrative termination of the career.

#### **Art.14 - Final provisions**

For anything not expressly provided for by this decree, please refer to the D.M. n.385 of 14 May 2018 "Methods and contents of admission tests to the single-cycle degree course in Medicine and Surgery and in Dentistry and Dental Prosthetics in English a.a. 2018/2019 "and ss.mm.e ii and instructions

#### **Art. 15 - Information pursuant to art. 13 days lgs. of 30 June 2003 n. 196 "Code regarding the protection of personal data"**

For information on the processing of personal data of candidates (Article 13 of Legislative Decree No. 196 of 30 June 2003 "Code regarding the protection of personal data") please refer to the text in **Annex 1**, which is an integral part of the present announcement of this call for applications.

The Rector  
*prof. Salvatore Cuzzocrea*

**Annex n.1**  
**Information pursuant to art. 13 of Legislative Decree 30 June 2003 n. 196**  
**"Code regarding personal data protection"**

**1. Purpose of the processing.**

The processing of personal data aims to determine the selection to the single cycle master degree course in Medicine and Surgery in English for the academic year 2018/2019, corresponding to each label code, achieved by the candidates in the admission tests and enrollment to the above mentioned degree. The admission test is provided for by article 4, paragraph 1bis, of the law of 2 August 1999, n. 264 on "Rules on access to university courses", which shows 1, paragraph 1, letter a), which subjects are subject to national planning for the related registrations.

The processing of sensitive data is approved pursuant to the Decree of MIUR of 7 December 2006 no. 305 of the law of 4 February 1992, n. 104 and of the law 8 December 2010 n. 170

**2. Methods of processing and interested parties**

The processing of personal data, also provided as part of the online registration procedures, on behalf of the Ministry of Education, University and Research (MIUR) - Directorate General for students, development and internationalization of higher education - is supervised, for the parts of their respective competences, by:

- a) Cambridge Assessment, in the person of the Director Admissions Testing Service and by units designated by the same Director among the personnel of the same institution;
- b) CINECA Inter-university consortium, in the person of the Director and by units designated by the same Director among the personnel of the same Consortium.

For the test centers in Italy, on the same day of the admission test, the CINECA receives from the university managers, in the presence of MIUR representatives, the papers of the candidates marked with a unique identification code (label code). These documents, after the scanning operations, are sent to Cambridge Assessment through a site reserved for this purpose.

At the test sites abroad, the papers are sent to the Cambridge Assessment by the Classroom Manager. Cambridge Assessment determines the score of each project and transmits the results by label code to the CINECA through the reserved site.

CINECA, then, proceeds to the electronic transmission through the site reserved for the Universities where tests of the scores obtained by the candidates and the relative test codes (label) are carried out, so that the examination Commissions can proceed, based on the personal data in their possession, to the matching with the candidates.

The MIUR, through the CINECA, publishes in the area reserved to the candidates of the site [www.universitaly.it](http://www.universitaly.it), in compliance with the current legislation regarding the protection of personal data, the score obtained by the candidates according to the label code and the phases following that publication, including the publication of the ranking list.

**3. Nature of the provision of data and consequences of any refusal.**

The provision of personal data, except as provided in Article 6 of this decree, is mandatory for the allocation of the score and position in the ranking with possible assignment at one of the chosen locations for the purposes of matriculation by the universities. This information is used exclusively for all activities related to the selection for access to the single cycle degree course in Medicine and Surgery and in Dentistry and Dental prosthesis in English and the subsequent enrollment. Failure to acquire data implies the exclusion from the ranking list.

**4. Holder of data processing**

The data holder is the Ministry of Education, University and Research - Directorate General for students, development and internationalization of higher education - which can be contacted to exercise the rights referred to in art .7 of Legislative Decree no. 196/2003.

**5. Responsible for data processing**

The data are processed by the Cambridge Assessment, the CINECA and the universities where the tests are held, designated by the Data Controller, pursuant to art. 29 of Legislative Decree no. 196/2003.

The units of CINECA personnel designated by the Director of the Consortium and the staff units of the Universities designated by them are in charge of data processing.

**6. Reference to art. 7 of Legislative Decree no. 196/2003 (Right to access personal data and other rights)**

- 1) The interested party has the right to obtain confirmation of the existence or not of personal data concerning him/her, even if not yet registered, and their communication in intelligible form
- 2) The interested party has the right to obtain the indication:
  - a) of the origin of personal data;
  - b) of the purposes and methods of the processing;
  - c) of the logic applied in case of treatment carried out with the aid of electronic instruments;
  - d) of the identifying details of the holder, of the responsible and of the designated representative

- according to article 5, paragraph 2;
- e) of the subjects or categories of subjects to whom the personal data may be communicated or who can learn about them as appointed representative in the territory of the State, managers or agents.
- 3) The interested party has the right to obtain:
- a) updating, rectification or, when interested, integration of data;
  - b) the cancellation, transformation into anonymous form or blocking of data processed unlawfully, including data whose retention is unnecessary for the purposes for which the data were collected or subsequently processed;
  - c) the attestation that the operations referred to in letters a) and b) have been brought to the attention, also as regards their content, of those to whom the data have been communicated or disseminated, except in the case where such fulfillment is it proves impossible or involves a use of means manifestly disproportionate to the protected right.
- 4) The data subject has the right to object, in whole or in part:
- a) for legitimate reasons, to the processing of personal data concerning him / her, even though they are relevant to the purpose of the collection;
  - b) to the processing of personal data concerning him for the purpose of sending advertising or direct sales material or for carrying out market research or commercial communication.

## Annex 2

### **Programs related to the questions of the admission test to the Master's degree course in Medicine and Surgery in English.**

For admission to the courses it is required the possession of a general culture, with particular relevance to the literary, historical-philosophical, social and institutional, as well as the ability to analyze written texts of various kinds and attitudes to logical-mathematical reasoning .

Moreover, the knowledge and skills required refer to the preparation promoted by the educational institutions that organize educational and educational activities consistent with the Ministerial Programs, especially in view of the State Exams and which also refer to the scientific disciplines of Biology, Chemistry, of Physics and Mathematics.

#### **General culture and logical reasoning**

Assessment of the ability to correctly use the English language and to logically complete a reasoning, coherently with the premises, which are expressed in a symbolic or verbal form through multiple choice questions also formulated with short sentences, discarding the conclusions incorrect, arbitrary or less likely.

The questions will focus on texts of scientific or narrative essay by classical or contemporary authors, or on topical texts published in newspapers or general or specialist journals; they will also deal with cases or problems, even of an abstract nature, whose solution requires the adoption of different forms of logical reasoning.

Questions related to general knowledge, addressed during the studies, complete this evaluation field.

#### **Biology**

The living Chemistry.

The biological importance of weak interactions.

The organic molecules present in the organisms and their respective functions. The role of enzymes. The cell as the basis of life.

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

The cell membrane: structure and functions - transport through the membrane.

Cellular structures and their specific functions.

Cell cycle and cell reproduction: mitosis and meiosis - chromosomal kit and chromosomal maps.

Bioenergetics.

The energy currency of cells: ATP.

Redox reactions in living things.

Energy processes: photosynthesis, glycolysis, aerobic respiration and fermentation. Reproduction and Inheritance.

Vital cycles. Sexual and asexual reproduction.

Mendelian genetics: the laws of Mendel and their applications.

Classical genetics: chromosomal theory of inheritance - models of inheritance.

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

Genes and regulation of gene expression. Human genetics: transmission of mono - and polyfactorial characters; autosomal inherited diseases related to the X chromosome.

Biotechnology: recombinant DNA technology and its applications. Inheritance and the environment.

Mutations. Natural and artificial selection. Evolutionary theories. The genetic bases of evolution.

Anatomy and Physiology of animals and humans.

Animal tissues.

Anatomy and physiology of human systems and systems and related interactions. Homeostasis.

#### **Chemistry**

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

Perfect gas laws.

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

The periodic system of elements: groups and periods; transition elements. Periodic properties of the elements: atomic radius, ionization potential, electronic affinity, metallic character. Relationships between electronic structure, position in the periodic system and properties of the elements. The chemical bond: ionic bond, covalent bond and metallic. Bonding energy. Polarity of ties.

Electronegativity. Intermolecular bonds.

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

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

Solutions: solvent water properties, solubility, the main ways to express the concentration of solutions. Equilibria in aqueous solution. Elements of chemical kinetics and catalysis.

Oxidation and reduction: oxidation number, oxidizing and reducing concept. Balancing simple reactions.

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

Fundamentals of Organic Chemistry: links between carbon atoms, rough formulas and structure, concept of isomerism. Aliphatic, alicyclic and aromatic hydrocarbons. Functional groups: alcohols, ethers, amines, aldehydes, ketones, carboxylic acids, esters, amides. Nomenclature elements

### **Physics**

Measurements: direct and indirect measurements, fundamental and derived quantities, physical dimensions of quantities, knowledge of the metric decimal system and of CGS Measurement Units, Technical (or Practical) (ST) and International (SI), of measurement units (names and relationships between fundamental and derived units), multiple and submultiples (names and values).

Kinematics: kinematic quantities, various motions with particular regard to uniform and uniformly accelerated rectilinear motion; uniform circular motion; harmonic motion (for all motions: definition and relations between the connected kinematics)

Dynamics: vectors and operations on vectors. Forces, moments of forces with respect to a point. Moment of a couple of forces. Vector composition of forces. Definitions of mass and weight. Gravity acceleration. Density and specific weight. Law of universal gravitation, 1st, 2nd and 3rd principles of dynamics. Work, kinetic energy, potential energies. Principle of conservation of energy. Impulse and momentum. Principle of conservation of the momentum.

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

Thermology, thermodynamics: thermometry and calorimetry. Specific heat, thermal capacity. Heat propagation mechanisms. Changes in status and latent heat. Perfect 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 principles. Electrical resistance and resistivity, electrical resistances in series and in parallel. Work, Power, Joule effect. Generators. Electromagnetic induction and alternating currents. Effects of electric currents (thermal, chemical and magnetic).

### **Mathematics**

Numerical sets and algebra: natural, integer, rational, real numbers. Sorting and comparison; order of magnitude and scientific notation. Operations and their properties. Proportions and percentages. Powers with full, rational exponent and their properties. Radicals and their properties. Logarithms (in base 10 and in base e) and their properties. Overview of combinatorial calculation. Algebraic expressions, polynomials. Notable products, nth power of a combination, factorization of polynomials. Algebraic fractions. First and second degree algebraic equations and inequalities. Equation systems.

Functions: basic notions about functions and their graphical representations (domain, codomain, sign, maxima and minima, growth and decrescence, etc.). Elementary functions: whole and fract algebraic, exponential, logarithmic, goniometric.

Compound functions and inverse functions. Goniometric equations and inequalities. Geometry: polygons and their properties. Circumference and circle. Measurements of lengths, surfaces and volumes. Isometries, similitudes and equivalences in the plan. Geometric places. Measure angles in degrees and radians. Sine, cosine, tangent of an angle and their remarkable values. Goniometric formulas. Resolution of the triangles. Cartesian reference system in the plane. Distance of two points and the midpoint of a segment. Equation of the line. Conditions of parallelism and perpendicularity. Distance of a point from a line. Equation of the circumference, of the parabola, of the hyperbola, of the ellipse and their representation in the Cartesian plane. Pythagorean theorem. Euclid's theorems (I and II).

Probability and statistics: frequency distributions according to the type of character and main graphical representations. Concept of random experiment and event. Probability and frequency.

**Annex 3**  
**List of linguistic certifications recognized pursuant to art. 3, paragraph 7, lett. a)**  
**of the D.M. 385/2018**

| Ente Certificatore                    | Level | Certificazione di lingua inglese per le 4 abilità                                    |
|---------------------------------------|-------|--|
| Cambridge English Language Assessment | C2    | Cambridge English: Proficiency (CPE)   |
|                                       | C1    | Cambridge English: Advanced (CAE)<br>Cambridge English: Business Higher (BEC Higher) |
|                                       | B2    | Cambridge English: First (FCE)<br>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<br>English for Business Level 4                                       |
|                                       | B2    | JETSET Level 5<br>English for Business Level 3<br>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   |