GUIDELINES FOR ADMISSION TO THE FIRST YEAR OF THE ENGLISH-TAUGHT MASTER'S DEGREE PROGRAMME IN MEDICINE AND SURGERY ACADEMIC YEAR 2027-2028

ROME CAMPUS

(October 2026)

(*This is a translation and abridged version of the official Competition Call issued in Italian for Academic year 2027-28 - BANDO DI CONCORSO PER L'AMMISSIONE AL PRIMO ANNO DEL CORSO DI LAUREA MAGISTRALE A CICLO UNICO IN MEDICINE AND SURGERY (CLASSE LM-41) DELLA FACOLTÀ DI MEDICINA E CHIRURGIA "A.GEMELLI" - A.A. 2027-2028*)

TABLE OF CONTENTS

- Available Seats Page 2
- Requirements 2
- Application Timeline 3
- Application Procedure 4
- Applicants with Disabilities and/or Learning Disorders 4
- Remote Exam Software and Other Technical Requirements 6
- Entrance Exam Structure and Scoring 10
- Schedule and Venues 11
- Publication of the Rankings 12
- Paying the Pre-Enrolment Fee 12
- Enrolment Procedure 13
- Allocation of Unassigned Places 14
- Procedure for Withdrawal from the Programme after Enrolment 14
- Reimbursement for the First Installment of Tuition Fee after Withdrawal 15
- Special Considerations for Minors 15
- Contact Details 15
- Annex "A" - Scientific knowledge question schedule 16

AVAILABLE SEATS

Applications are now open for admission to the English-taught Master's Degree Programme in Medicine and Surgery at the Rome Campus of Università Cattolica del Sacro Cuore.

The number of seats available are as follows:

- **40 (forty) seats** for EU citizens living anywhere and non-EU citizens living in Italy legally (with a "permesso di soggiorno"/residence permit):
  EU Ranking

- **70 (seventy) seats** for non-EU citizens living abroad (that is students requiring a student visa):
  NON-EU Ranking *

**In the case of dual citizenship, of which one is Italian or of another EU country, the Italian citizenship or that of another EU country always prevails. Students with an Italian/EU passport must compete among the EU Ranking for a place on the programme.*

Students, who are unsure which group they belong to, can refer to this document for assistance.

The number of seats available may be subject to variation arising from publication by the Ministry of Universities and Research (MUR) of decrees regarding the programming of seats available for enrolment in the A. Y. 2027/2028.

Should the number of seats be reduced by a decree issued by the MUR, those at the stage of pre-enrolment or enrolment for seats no longer available, in order of ranking, will be refunded the first instalment of university fees they have paid. These candidates will then compete for any remaining seats not assigned.

REQUIREMENTS

1) Be at least 17-years old at the time of enrolment in the programme;
2) be enrolled in the final year of a High School programme; **or**
3) have already obtained a High School qualification.

Non-Italian High School qualifications must be obtained after **at least 12 years of global schooling** and be eligible for admission to Italian university degree programmes.

Depending on both the Italian legislation and the regulations of the respective country of origin, applicants with **less than 12 years of global schooling** need to submit:

- either an official certifying document of "Academic Eligibility"; or
- a certification of any post-High School courses, with a corresponding transcript and documentation describing the formative content of such courses.

Students who have a non-Italian High School qualification and need support in determining its eligibility for admission to an Italian university can find additional information on **Entry Requirements** here.
Those who already hold a degree in Medicine obtained abroad may not apply for admission.

Students who already hold a university qualification and those who come from other degree programmes or master's programmes are required to follow the same procedures as set out in this announcement and to take the relevant entrance exam.

Additionally, all candidates must hold **a valid English language certification at B2 level** or above (see the list of accepted certificates under Enrolment Procedure), unless exempt. NON-EU candidates living abroad who need a study visa must already hold this certification when they submit their pre-application and visa request: the Italian Embassy/Consulate will require it as part of the visa application. The same certificate must then also be submitted to Università Cattolica at the latest upon enrolment.

APPLICATION TIMELINE

for both **EU** and **NON-EU** Rankings

Submission of application for admission to the programme	**EU Ranking:** From 14 October 2026 to 17 February 2027
	NON-EU Ranking: From 14 October 2026 to 17 February 2027
Submission of application for accommodations for candidates with disabilities or learning differences	**EU Ranking:** From 14 October 2026 to 17 February 2027
	NON-EU Ranking: From 14 October 2026 to 17 February 2027
Call to Entrance Exam	**EU Ranking:** 10 March 2027
	NON-EU Ranking: 10 March 2027
Entrance Exam	**EU Ranking:** 17 March 2027
	NON-EU Ranking: 17 March 2027
Results and Ranking of Entrance Exam	**EU Ranking:** Test results: from 31 March 2027; ranking: 7 April 2027
	NON-EU Ranking: Test results: from 31 March 2027; ranking: 14 April 2027
Pre-enrolment	**Both Rankings:** From ranking publication until 23 April 2027
Enrolment	**Both Rankings:** From 1 July to 6 September 2027

APPLICATION PROCEDURE

for both **EU** and **NON-EU Rankings**

- Access https://international.unicatt.it *;
- Select in the following order: Degree Programmes, Undergraduate Programmes, Medicine and Surgery (Rome Campus)*;
- Read the instructions and documents, then click on “Apply Now”;
- Follow the on-screen instructions: fill in the online form, submit your application, and pay the €210.00 fee to finalise the application and receive the link to an **online simulator** to prepare for the Entrance Exam. The online simulator consists of approximately 3,000 questions from past exams, included as examples. The questions covered by the written exam will not be extracted from the simulator.

Both EU Ranking and **NON-EU Ranking** candidates must pay the **€210.00 fee** no later than 23:59 UTC + 2 on **17 February 2027**.
Late payment will exclude candidates from the exam. We recommend not to wait until the last minute in case you experience issues with payment and risk invalidating your application.

After submission, Università Cattolica International Admissions Office staff will evaluate each candidate’s academic records in order to verify eligibility to access Italian University programmes. Only candidates whose eligibility has been confirmed by the International Admissions Office will be invited to take the Entrance Exam and be officially assigned to one of the applicant rankings (EU or NON-EU).

Should the candidate's High School qualification not meet the requirements for admission to the English-taught Master’s degree in Medicine and Surgery, the International Admissions Office will notify the candidate by e-mail. In such a case, the €210.00 fee will not be reimbursed, as it covers administrative costs related to the evaluation of qualifications for admission and the administration of the Entrance Exam.

*** IMPORTANT: Candidates interested in applying for admission to the Medicine and Surgery programme at the Università Cattolica Bolzano campus will find a duplicate application started for the Bolzano programme once applications open in January 2027, thus allowing them to complete the application and submit it for consideration if they wish to apply to both programmes and sit both entrance exams. Also, those candidates not having previously started an application for the Rome campus programme, but wish to apply to both programmes, will need to start either one application and will have a duplicate created for the programme at the other campus.**

APPLICANTS WITH DISABILITIES AND/OR LEARNING DISORDERS

The exams referred to in this announcement are organised by Università Cattolica del Sacro Cuore taking into account the individual needs of candidates with disabilities.

Documentation attesting to disability and/or learning differences to be used for this competition must be submitted in the following ways.

1. For candidates in possession of high school qualification from an institution located in Italy or abroad belonging to a non-Italian school system

a) Candidates with disabilities who require special accommodations or additional time to carry out the Entrance Exam must submit an application (form available from the webpage for this competition on the University website - https://international.unicatt.it) attaching certification of disability status issued by the public health service for the area. In order to be able to provide accommodations, applications on official forms must be emailed to the International Office (Rome) no later than 23:59 UTC + 2 on 17 February 2027 (e-mail address: international.admissions-rm@unicatt.it).

b) Candidates with specific learning disorders must e-mail official certification to international.admissions-rm@unicatt.it no later than 23:59 UTC + 2 on 17 February 2027.

Candidates with disabilities are entitled to additional time not exceeding 50% of the total time specified in this announcement for the admission exam. Applicants with learning disorders are allowed a maximum of 30% extra time above the total time specified in this announcement for the admission exam.

Applications submitted according to the procedure outlined herein will be assessed by a dedicated panel convened to deal with applications for accommodations for the admission exam for candidates with disabilities or learning disorders.

The provision of accommodations for candidates with disabilities or learning disorders is not guaranteed if applications and related certification are received after 17 February 2027. Candidates must have the original documentation with them and be prepared to present them on the day of the admission exam.

Candidates from the EU and non-EU countries who are residing abroad and who wish to apply for the provision of accommodations as set out in the preceding paragraphs must submit certification of disability or learning disorders issued in the country of residence, together with a translation into Italian or English, which may be either a sworn translation or certified by the Italian Consulate or Embassy in the country of residence. The assessment panel will then decide whether the condition set out in the submitted certification is recognised by Italian law.

2. For candidates who are non-EU citizens living abroad (and only these candidates)

Applications for extra time or special accommodations may be submitted until 17 February 2027 if they include the documentation referred to in the previous points.

Online Admission Test: Remote Proctoring, Technical Requirements and Candidate Rules

1) Remote Proctoring and Monitoring

The entire test is conducted through a dedicated online platform that allows:

- Live remote monitoring by proctors throughout the exam.
- Post-exam review through audio and video recordings of all stages of the testing process.

2) Exam Environment Requirements

Candidates must take the exam in a room that is:

- Well lit
- Quiet and free from distractions
- Isolated from other people
- Accessible through a single door, which must remain closed throughout the exam

The room must also allow proper positioning of both webcams (computer and smartphone/tablet) so that proctors can continuously monitor the exam station.
It is the candidate's responsibility to secure a suitable room that meets these requirements.

3) Workstation Requirements

The candidate's desk or table must:

- Be completely clear of all objects.
- Allow full remote monitoring of the candidate's actions during the test.

Smartphone positioning
Candidates must:

- Keep their smartphone connected to a power source.
- Position it to the side of the workstation.
- Ensure it continuously captures:
    - The work area
    - Both hands at all times

If the camera angle does not provide a complete view of the workstation, the exam may be suspended until proper monitoring conditions are restored.

Failure to follow a proctor's instructions may result in:

- Interruption of the exam
- Exclusion from the competition/admission process

4) Rules of Conduct (Violation May Lead to Exclusion)

During the exam, candidates must not:

- Leave their workstation after identification, for any reason.
- Open or consult other applications, browsers or websites.
- Use additional devices such as:
    - Extra monitors
    - Keyboards
    - Mice
    - Headsets or earphones
    - Calculators
    - Mobile phones (except the one used as the environmental camera)

- Enable functions that allow remote control or connection to additional devices.
- Speak to or interact with anyone else.
- Read test questions aloud.
- Consult books, notes, websites, study materials or any other reference resource.
- Wear earplugs.
- Allow any other person to be present in the room.
- Keep one or both hands outside the camera view.
- Use paper for notes or calculations.

Digital Scratch Pad
For calculations or notes, candidates may use only the digital scratch pad provided within the testing platform.

5) Fraud Prevention and Review Process

Proctors will report any potentially fraudulent behaviour to the University's Examination Committee. Candidates may be excluded if live monitoring or review of recordings reveals:

- Presence of another person in the room
- Leaving the workstation
- Audio or video being switched off
- Use of unauthorized devices or materials
- Failure to follow proctor instructions

IMPORTANT:
- Test results remain provisional until all recordings have been reviewed.
- Any irregularity identified during the final review may result in exclusion, even after completion of the exam.
- Candidates are therefore required to carefully follow all instructions provided before and during the test.

By activating the video connection, candidates consent to the recording of images and other personal data necessary to reconstruct and monitor the examination process.

6) Technical Requirements

Candidates must have:
Computer
- PC: Windows 8 or later; or Linux
- Mac: macOS 10.14 or later
- Built-in or external webcam and microphone

The use of company-owned computers is strongly discouraged.

Browser
- **Google Chrome** version 81 or later
- **No other browsers are permitted.**

Internet Connection
- Minimum upload speed: 1.5 Mbps
- Minimum download speed: 1.5 Mbps

Secondary Device
A smartphone or tablet with:
- Android 4.1 or later, or
- iOS 8 or later
- Working camera

An app (approximately 34 MB) must be installed from Google Play or the App Store.

A tablet may only replace the smartphone, not the PC/Mac.

Candidates remain responsible for any technical issues resulting from failure to meet these minimum requirements.

7) Technical Check Before the Exam

Starting five days before the exam, candidates will receive instructions by email to complete a technical check. This check must be completed at least 24 hours before the exam and includes verification of:
- Audio and microphone
- Computer webcam
- Smartphone/tablet camera
- Internet connection

Technical support is available at: convocazioni@ilmiotest.it

Please indicate the relevant university and admission competition in the email subject line.

8) Candidate Responsibility for Connectivity

Candidates must verify in advance:
- Internet quality
- Signal stability
- Continuous connectivity at the location where the exam will be taken

Any interruption caused by the candidate's equipment or internet connection remains the candidate's responsibility.

9) Exam Day Procedure

Setup and Identification
Candidates will:
1. Connect the devices previously verified during the technical check.
2. Use the smartphone camera to record:
   - The workstation
   - The surrounding room
3. Complete identification by uploading:
   - A valid identification document
   - A photo of their face

After setup, candidates must wait for authorization from the proctor before proceeding.

Time Commitment
Because of the identification and setup process, candidates should allow approximately **three hours** for the entire examination process.

10) Starting the Exam

When authorized by the Examination Committee:

1. The "Start Exam" button becomes available.
2. Candidates must read all instructions carefully, including:
   - Exam duration
   - Scoring rules
   - Platform functions
   - Behavioural requirements
3. Candidates must confirm that they have read and understood the instructions.
4. The exam can then be started.

11) During the Exam

Candidates must continuously monitor the platform chat for communications from the Examination Committee and the assigned Proctor.
Candidates may themselves use the chatbox for:

- Technical issues
- Questions
- Procedural clarifications

12) Submitting the Exam

The exam ends when the allotted time expires automatically or the candidate clicks "Submit Exam".

Before submission, a summary page will show:

- Confirmed answers
- Flagged answers (which are still counted as submitted)
- Unanswered questions

Candidates may submit or return to review their answers.

13) Disconnections and Recovery Session

Connection interruptions
If a disconnection lasts more than five minutes due to device issues or poor internet connectivity the University will determine whether the candidate may continue the examination.

Recovery Session
The University may arrange a recovery session if the testing platform fails due to verified technical problems, or technical issues prevent the candidate from starting the exam.

Reporting a Platform Disconnection
Reports must be submitted by 23:59 on 18 March 2027 to:

- ammissioni-rm@unicatt.it (holders of Italian qualifications)
- international.admissions-rm@unicatt.it (holders of foreign qualifications)

Recovery Exam Date
If required and authorized, the recovery session will take place on 24 March 2027 under the same conditions as the original examination.
If the disconnection is not attributable to the testing provider, the candidate will not be admitted to the recovery session and will receive the score achieved up to the time of disconnection.

ENTRANCE EXAM STRUCTURE AND SCORING

Admission to the English-taught Degree Programme in Medicine and Surgery is determined exclusively by the results of a computer-based Entrance Exam.

The entrance exam consists of a written exam administered in computer-based mode entirely delivered in English and made up of sixty-five (65) multiple choice questions with five answer options. Candidates must choose one answer only. The topics of the multiple-choice questions are as follows:

- **2 questions** on general knowledge;
- **20 questions** on logical reasoning;
- **18 questions** on Biology;
- **12 questions** on Chemistry;
- **4 questions** on Physics;
- **4 questions** Mathematics;
- **5 questions** on ethics and religious culture.

The programmes relating to questions of scientific culture are contained in Annex A. To prepare questions on ethics and religious culture, candidates can consult the texts recommended by Università Cattolica del Sacro Cuore (list available on the University website).

Candidates have a maximum time of **65 minutes** to complete the entrance exam.

At the end of the exam, whether when the allocated time expires or if a candidate finishes earlier, each candidate will be required to answer **7 additional questions in 7 minutes** (one question for each subject area). These "reserve questions" will be assigned automatically by the examination platform. The reserve questions will not be included in the normal marking of the test. They will only be used if, after all exam sessions have been completed, a problem is identified with one or more questions in a particular subject area.
If a question is found to be defective or problematic, the University may decide to cancel it and replace it with the corresponding reserve question from the same subject area. This process is intended to ensure fair assessment and equal treatment of all candidates.

The exam is uniquely and automatically linked to the candidate who has taken it via the PIN provided at identification, which is matched with the code identifying the individual exam, generated randomly when the exam is started.

There is a maximum score of 65 (sixty-five) points for the exam, assigned as follows:
• **1 point** for each correct answer;
• **0.25 point** is taken off for each incorrect answer;
• **0 points** for any answer not given.

The minimum score required to be eligible for the degree programme is **no less than 20 points out of 65**.

In the event of a tie in the final ranking, the score for logical reasoning will be used to rank tied candidates. In the case of a further tie, the score for the Biology questions will be used to rank the tied candidates. In the case of a further tie, the score for the Chemistry questions will be used to rank the tied candidates. In the case of a further tie, the score for the Physics and Mathematics questions will be used to rank the tied candidates. In the case of a further tie, the score for the general knowledge questions will be used to rank the tied candidates. In the case of a further tie, the score for the ethical and religious culture questions will be used to rank the tied candidates. In the case of a further tie, the younger candidate will prevail.

Those candidates who score a pass in the Entrance Exam for enrolment on the degree programme but do not score a minimum of 20% for the Biology section (a minimum of 4 out of 18 questions), the Chemistry section (a minimum of 2 out of a possible 12), the Physics section (a minimum of 1 out of a possible 4) and the Mathematics section (a minimum of 1 out of a possible 4) will be assigned additional training obligations (or OFA – Obblighi Formativi Aggiuntivi) to fulfil. These candidates will have to attend intensive remedial courses organised by the university. These OFA must be fulfilled within the first year of the programme: students who do not cover the remedial work within the first year as set out above will not be able to take the exams scheduled for the second year of the programme.

SCHEDULE AND VENUES

The Entrance Exam for both the EU and NON-EU Rankings will be held remotely on **17 March 2027** with the use of a proctoring system, which allows for candidates to take the exam from home with the support of a control platform called Proctor Exam, which is activated from the moment of identification of the candidate until the end of the exam. Candidates will be allowed to choose their preferred timeslot for taking the Entrance Exam. The instructions on how to indicate this preference and take the exam will be e-mailed to each candidate starting from 10 March 2027. The general list of exam invitations will also be published online at https://roma.unicatt.it and https://international.unicatt.it on 10 March 2027.

The University reserves the right to offer additional examination sessions on 18 March 2027 if the number of candidates exceeds the total capacity available for remote participation in each scheduled session.

On the day of the entrance exam, candidates must show the following:
- A valid ID document;
- Receipt of payment of the €210 fee made before the deadline;
- Any original documentation certifying disability and/or learning differences declared when registering for the competition.

The rules of the Entrance Exam forbid the use of calculators, tablets, online-enabled devices and the consultation of printed books and/or manuscripts and notes, as well as the use of paper and pen for note-taking. The exam platform provides a digital pad to use for notes. They also forbid leaving the room after completing the identification procedure, as well as using extra software tools or devices such as a second monitor during the test.

PUBLICATION OF THE RANKINGS

The results of the Entrance Exam will be published online at https://roma.unicatt.it and https://international.unicatt.it, respectively:
a) For the **EU Ranking**: as of **7 April 2027**
b) For the **NON-EU Ranking**: as of **14 April 2027**

Candidates who are positioned high enough in the ranking to be included in the number of seats available for the relevant group of applicants are offered a place on the programme.
All candidates having completed the exam will be invited as of **31 March 2027** to review their marked exam prior to the publishing of the ranking .

PAYING THE PRE-ENROLMENT FEE

EU Ranking candidates who are assigned a seat on the programme may confirm their position by completing their pre-enrolment and by paying the deposit and first instalment of tuition and university fees in the amount of €4,000.00 no later than **23 April 2027**.
Those in possession of a bank account/credit card in Italy are invited to use the PagoPA payment system as an alternative to the wire transfer (wire transfer details will be sent out via email with the invitation to pre-enrol).

NON-EU Ranking candidates who are assigned a seat on the programme may confirm their position by completing their pre-enrolment and by paying the deposit and first instalment of tuition and university fees no later than **23 April 2027**.
Payment of the €4,000.00 fee will be done using Flywire, which will allow the candidate to select, based on the country of origin of the payment, among different payments methods, such as credit card, bank/ wire transfer, other directly via the Flywire portal.

E-mail the following to international.admissions-rm@unicatt.it:

- Receipt of payment of first instalment of tuition fees;
- For those of the Catholic religion: certificate of baptism.
- For those who are not of the Catholic religion: certificate of interview with a Pastoral Assistant. This interview must be carried out within three months of the start of lessons.

IMPORTANT NOTE for NON-EU Ranking candidates:
Once pre-enrolment is completed, candidates will receive information regarding the steps to undertake to apply for the student visa. While the application process is standardized across countries via the Universitaly portal, candidates may be required to provide supplementary documentation depending on the consular office that processes the applications.

ENROLMENT PROCEDURE

Starting from 1 July 2027 and no later than 6 September 2027 all admitted students are required to finalise their enrolment by submitting the following documents online:

- Enrolment Form

Applicants will be given via email instructions on how to download this document.

- A copy of the final High School Diploma;
- Payment receipt of the €4.000 Enrolment Fee;
- A digital photo if not previously uploaded during pre-enrolment

- A copy of the student's ID document / ID Card / Passport;
- For non-EU students that were already living in Italy at the time of applying for the test - A copy of a valid residence permit.

Additional documents:

- For non-EU students that were living abroad at the time of applying for the test - A valid Visa for Study-related reasons (Type D), issued by an Italian Embassy / Consulate.
- For all students with a non-Italian High School Diploma – A copy of the final High School Diploma; and a Dichiarazione di Valore (Statement of Validity) that must be issued by the Italian Embassy / Consulate in the Country where the Diploma was awarded (if applicable).

  The "Dichiarazione di Valore" is an official document issued by the Italian Embassies / Consulates that offers a description of a student's Diploma and indicates its validity in the awarding Country for academic or professional purposes, as well as the legal status of the awarding institution. All international students are encouraged to apply for it after receiving confirmation of their admission to the Programme.

- A Codice Fiscale (Fiscal Code / Italian Tax Code) - only if already available; otherwise, further instructions will be provided via email on how to obtain a Fiscal Code upon arrival.
  The "Codice Fiscale" is an Italian tax identification number issued by the Government offices or by Italian Embassies / Consulates, consisting of a 16-character alphanumeric code that is provided free of charge. It is needed to identify both Italian nationals and foreign residents and authorize any payment, contract or financial operation.

- An English Language Certification, corresponding to the following types and respective minimum scores:

Certificate	Minimum score
ACADEMIC IELTS	6.0
TOEFL IBT	80
TOEFL Computer-based	213
TOEFL Paper-based	550
CAMBRIDGE ESOL	FCE/First Certificate, with Grade B

Applicants whose main language of instruction through middle school and high school was English do not need to submit this certificate and will be officially exempt. In such cases, applicants need to show official proof of the language used in their preceding studies.

IMPORTANT: non-EU students who require to apply for a study visa will need to provide a language certificate upon applying for the visa. All applicants who do not supply a valid certificate upon enrolment, unless exempt, will not be formally enrolled, and will beprevented from attending class, until such document is provided.

For additional information about the enrolment and the visa application processes, please see our dedicated section online.

ALLOCATION OF UNASSIGNED PLACES

Students failing to enrol by the deadline given for each stage of the procedure as set out in these guidelines will be deemed to have withdrawn, in which case their place in the programme will be given to the next candidate in the ranking.

Università Cattolica reserves the right to proceed with the assignment of any vacant places via notices published online advising that the rankings have moved up (website: https://roma.unicatt.it). These notices will also set out the methods to be used for calling students and assigning places, and the terms of acceptance of unfilled places.

The rankings referred to in these guidelines will be closed at the conclusion of the teaching activities of the first semester so that students can reach the minimum compulsory attendance to be able to take individual exams. Any places not filled at the closing date of the rankings will not be assigned by scrolling down the ranking, including cases of places that may have become available due to a withdrawal after enrolment.

PROCEDURE FOR WITHDRAWAL FROM THE PROGRAMME AFTER ENROLMENT

Students intending to withdraw from their studies after enrolment must submit an official application for withdrawal form with a €16.00 tax stamp. The application must either be delivered directly to Polo Studenti (Rome Campus) during office hours or sent by registered post with delivery receipt to: Università Cattolica del Sacro Cuore – Polo Studenti (Roma), Largo F. Vito 1,00168 Rome.

REFUND POLICY

- The €210 Application Fee is not refundable under any circumstance.
- A full refund of the pre-enrollment fee (€4,000) will be granted if a formal withdrawal request is submitted within 14 days of the payment date.
- Non-EU students living abroad who have officially been denied a D Entry Visa and who submit their applications for reimbursement by their respective enrolment deadline, as indicated in their individual instructions, will have their requests examined by panel only if properly documented.

SPECIAL CONSIDERATIONS FOR MINORS

Admitted students who are still 17 years old at the time of enrolment and at the beginning of the programme, per Italian Law, will need to have a legal guardian resident in Italy until the student turns 18. The name and address of the guardian will have to be given to the Italian consular service upon application for the study visa. The visa will not be released to a minor without legal guardianship in Italy. Such guardianship cannot be provided by the University and needs to be found independently by the student's family. Families who do not have contacts in Italy may refer to the local Italian authorities responsible for the rights of minors.

CONTACT DETAILS

Università Cattolica del Sacro Cuore
International Admissions Office
Largo F. Vito 1,00168 Rome

Email contact for general inquiries about the programme, or for candidates in the process of applying:
international.inquiry@unicatt.it

Email contact for candidates who have submitted their application:
international.admissions-rm@unicatt.it

ANNEX "A"
Scientific knowledge question schedule

1) BIOLOGY: The chemistry of living beings. The biological importance of weak interactions. The organic molecules present in living organisms and their respective functions. The role of enzymes. The cell as the basis of life. Cell theory. Cell size. The prokaryotic and eukaryotic, animal and plant cell. Viruses. The cell membrane: structure and functions - transport across the membrane. Cell structures and their specific functions. Cell cycle and cell reproduction: mitosis and meiosis - chromosomal set 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. Life cycles. Sexual and asexual reproduction. Mendelian genetics: Mendel's laws 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 the regulation of gene expression. Human genetics: transmission of mono and polyfactorial characters; autosomal and X-linked hereditary diseases. Biotechnologies: recombinant DNA technology and its applications. Inheritance and the environment. Mutations. Natural and artificial selection. Evolutionary theories. The genetic basis of evolution. Anatomy and Physiology of animals and humans. Animal tissues. Anatomy and physiology of human systems and apparatuses and related interactions. Homeostasis.

2) CHEMISTRY: The constitution of matter: the states of aggregation of matter; heterogeneous systems and homogeneous systems; compounds and elements. Laws of perfect gases. 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, electron affinity; metallic character. Relations between electronic structure, position in the periodic system and properties of the elements. The chemical bond: ionic bond, covalent and metallic bond. Bond energy. Polarity of the bonds. 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's number, concept of mole and its application, elementary stoichiometric calculations, balancing of simple reactions, the different types of chemical reactions. Solutions: solvent properties of water, solubility, the main ways of expressing the concentration of solutions. Equilibria in aqueous solution. Elements of chemical kinetics and catalysis. Oxidation and reduction: oxidation number, concept of oxidant and reducing agent. Balancing of 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: bonds between carbon atoms, crude and structural formulas, the concept of isomerism. Aliphatic, alicyclic and aromatic hydrocarbons. Functional groups: alcohols, ethers, amines, aldehydes, ketones, carboxylic acids, esters, amides. Elements of nomenclature.

3) PHYSICS: Physical quantities and measurement: Fundamental and derived quantities. Systems of Units of Measurement: International System (SI) and Technical System. Multiples and submultiples. Scientific notation. Main conversions between units of different measurement systems. Scalar and vector quantities. Vectors and vector operations. Kinematics: Description of motion. Velocity and angular velocity, acceleration and centripetal acceleration. Uniform rectilinear motion, uniformly accelerated motion, uniform circular motion, and harmonic motion. Dynamics: Concept of force as an interaction between bodies. Forces as applied vectors. The principle of inertia. Mass and Newton's Second Law of Motion. Examples of forces: gravitational force (weight), elastic force, static and kinetic friction. Action and reaction: Newton's Third Law of Motion. Impulse and linear momentum. Conservation of momentum. Torque and angular momentum. Work and kinetic energy. Conservative forces and potential energy. Conservation of mechanical energy. Power. Fluid Mechanics: Density and compressibility of fluids. Gases and liquids. Hydrostatics: pressure and the principles of Pascal, Stevin, and Archimedes. Fluid dynamics: one-dimensional flow, flow rate and discharge, continuity equation. Ideal fluids and Bernoulli's equation. Viscous forces in real fluids. Thermodynamics: Equilibrium, concept of temperature, thermometers. Concept of heat and calorimetry. Modes of heat transfer. Specific heat and heat capacity. Mechanisms of heat propagation. Changes of state and latent heats. Laws of ideal gases. First and Second Laws of Thermodynamics. Electricity and Electromagnetism: Electric charges. Forces between charges and Coulomb's law. Electric field and electric potential, equipotential surfaces. Dielectric constant, capacitance, and capacitors. Electrostatic energy. Capacitors in series and parallel. Generators (sources of electromotive force). Electric voltage. Electric current. Resistivity, resistance, and resistors. Ohm's law. Series and parallel resistor circuits. Kirchhoff's laws. Work, power, and the Joule effect. Direct and alternating current. Period and frequency. Magnetic field produced by an electric current. Forces acting on electric currents in a magnetic field.

4) 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 integer exponent, rational) and their properties. Radicals and their properties. Logarithms (base 10 and base e) and their properties. Basics of combinatorics. 7Algebraic expressions, polynomials. Notable products, nth power of a binomial, factorization of polynomials. Algebraic fractions. First and second degree algebraic equations and inequalities. Systems of equations. Functions: basic notions on functions and their graphic representations (domain, range, sign, maximum and minimum, increase and decrease, etc.). Elementary functions: integer and fraction 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, similarities and equivalences in the plane. Geometric places. Angles measurement in degrees and radians. Sine, cosine, tangent of an angle and their notable values. Protractor formulas. Resolution of triangles. Cartesian reference system in the plane. Distance of two points and midpoint of a segment. Equation of the line. Conditions of parallelism and perpendicularity. Distance of a point from a line. Equation of the circumference, parabola, hyperbola, ellipse and their representation in the Cartesian plane. Pythagorean theorem. Euclid's theorems (first and second). Probability and statistics: frequency distributions according to the type of character and main graphical representations. Concept of random experiment and event. Probability and frequency.