



**UNIVERSITY OF CAGLIARI**



**UNIVERSITA DEGLI STUDI DI CAGLIARI**





## The Rector's Welcome



**Established** in 1620, the University of Cagliari is a public university which offers comprehensive and unique public education, cutting edge research and multi-disciplinary education programmes for the student community.

These three fundamental and intertwined elements are the foundations of our mission and they provide our students with intellectual vitality that promises to be our university's greatest strength. Thus, the University of Cagliari is committed to guiding and serving its student community by promoting and broadening their knowledge, while at the same time building on and learning from past experiences.

High quality teaching is of fundamental importance to our university. With its 6 Faculties and many undergraduate, graduate and postgraduate programmes, the University of Cagliari's main goal is to provide its students with a high quality education system that will better prepare them for an increasing global community.

With about 1000 international agreements, our university, together with its undergraduate and graduate students, actively takes part in an educational process which unites our local culture with Europe and the rest of the world. Research and scholarship programmes are important to the University of Cagliari's education system and to the expansion of our comprehension of the world. Our university actively welcomes and promotes the deepening of intellectual thought and supports our staff and students in knowledge acquisition and the pursuit of new ideas.

The University of Cagliari is committed to sharing the results of its research and development in knowledge and to improving the social, economic, cultural and intellectual life of Cagliari and the Region of Sardinia.

Thanks to the exceptional student body, Faculty staff and administrators, our university is able to successfully carry out its academic mission. It is opened to talented people from all backgrounds and values and it sets out to be an institution based on merit that supports open inquiry, as well as fairness, inclusion and excellence in all endeavours.

*Maria Del Zompo*  
*Rector*

# THE TOP 5 REASONS

## WHY YOU SHOULD CONSIDER STUDYING AT UNIGA

### 1. LIFE IN CAGLIARI

Often called "the city of the sun", it is easy to see why Cagliari is a fantastic place to spend your time abroad. With beautiful weather, picturesque beaches and fascinating culture, there is always something new to discover in this wonderful city.

**CITY of the sun**

### 2. ACADEMIC FACILITIES

A wide range of academic facilities to enable students to study in a way that will best suit studying needs.



faculty  
libraries



wireless  
connection



sport  
facilities



guest  
house



computing  
services



canteen  
services

### 3. MULTIDISCIPLINARY PROGRAMMES



Economics, Law and  
Political Sciences



Humanities



Engineering and  
Architecture



Sciences



Medicine and  
Surgery



Biology and  
Pharmacy

**WITHIN 6  
FACULTIES**

### 4. INTERNATIONAL COMMUNITY

The number of international students choosing to study in Cagliari is expanding each year. This creates a rich and vibrant international community, where students can meet each others from all over the world.

### 5. IMPROVING ITALIAN



Studying alongside Italian students provides the perfect opportunity to improve your Italian language skills.

In addition, the University has a summer School and regular courses where you can learn Italian but also enjoy outstanding landscape of Cagliari.

## Sardinia



**Sardinia** is the second biggest island in the Mediterranean with a total surface area of 24,090 km<sup>2</sup>, 1,850 km of coastline and a little over 1,600,000 inhabitants. It is located in the middle of the western Mediterranean Sea about 187 km from the Italian peninsula. Its territory consists predominantly of hills and highlands, whilst its central and eastern areas are mountainous with the highest peak measuring 1,834 m. Sardinia has a special statute of autonomy that gives the regional government legislative power on topics such as administration, building policy, transports, agriculture, fishing, tourism, libraries and museums.

**The coasts** are characterised by a variety of landscapes such as beaches, sand dunes, cliffs and bays. Due to its geo-morphological characteristics, Sardinia has some of the most varied, original, natural and climatic ecosystems among the Italian regions. Due to its central position in the Mediterranean, Sardinia has been a land of conquest for many people coming from surrounding countries and while it is still not certain whether it was inhabited in the Palaeolithic period, it has certainly been inhabited since the Neolithic period.



**The archaeological** remains scattered all over the island reveal some unique characteristics of a distinct history. In fact, the island is rich in the typical Nuraghe remains, stone constructions tholos built by the original inhabitants, and the so-called “Giants’ graves”. You can find also ancient necropolis with *domus de janas* (rock-hewn chamber tombs). The most recent and extraordinary archaeological findings in Sardinia are the Giants of Monti Prama, powerful, majestic stone statues buried for centuries in the Sinis countryside, just 2 km from the Cabras wetlands and not far from the ancient port of Tharros, hewn from single blocks of stone which could weigh up to 400 kilos.

**Sardinians** are the largest ethnic minority of Italy and their language, Sardinian, which has many variations, has been officially recognised as a language by the Italian Government since 1999. Historically, Sardinian economy has been based on agriculture, farming and fishing and on the exploitation of its mineral resources since the prehistoric period. The last 10 - 15 years saw a rise of entrepreneurship and local businesses especially in the tourism sector, in the agro-food industry and the ICT.





## Cagliari



**Cagliari** is the capital, the main cultural centre of Sardinia and the most populated with about 160,000 inhabitants. It is located in the middle of the Gulf of Angels, across the southern slope of Sardinia. It hosts numerous open air archaeological sites and unspoilt natural environments, such as the Regional park of Molentargius, a wetland system where flamingos nest and offer spectacular pink displays.

Every season, thanks to its particularly mild weather, Cagliari allows visitors the chance to discover its architecture, archaeology and monuments, its ancient history as well as an opportunity to discover the influences that the various people who have inhabited Cagliari have had on the town throughout its history.

Cagliari is “the city of the sun” but above all “the city of the sea”. From the surrounding hills it is possible to admire the multicoloured sea, which merges with the city to produce a unique panorama. Its famous Poetto beach and its waterfront offer kilometres of sandy beach, cycle lane and jogging track. Just a few kilometres outside Cagliari there are some of the most beautiful beaches in the world, with a natural environment that is still very much unspoilt.



For more information about Sardinia visit the website:

[www.sardegnaturismo.it/en](http://www.sardegnaturismo.it/en)

## Where we are

**The second largest island in the Mediterranean Sea**

**430.000 Cagliari Metropolitan Area population**

**Capital and largest city is Cagliari**

<b>January</b>	5.7 - 14.2 °C
<b>February</b>	6.2 - 14.7 °C
<b>March</b>	7.2 - 16.1 °C
<b>April</b>	9.1 - 18.4 °C
<b>May</b>	12.3 - 22.3 °C
<b>June</b>	16.1 - 26.6 °C
<b>July</b>	18.6 - 29.6 °C
<b>August</b>	19.1 - 29.8 °C
<b>September</b>	17 - 26.9 °C
<b>October</b>	13.7 - 22.8 °C
<b>November</b>	9.5 - 18.2 °C
<b>December</b>	6.8 - 15.1 °C



**UNICA**





## UNICA and its history



**Founded** in 1620 as the Studium Generalis Kalaritanum, the University of Cagliari is based on the old Spanish universities of Salamanca, Valladolid And Lérida.

**The classes** which were originally offered were Law, Latin, Greek and Hebrew Literature, the Liberal Arts, Medicine, Surgery, Philosophy and Science. However, during the 18th century Sardinia, under the rule of the House of Savoy government, significantly modified the university statute with the expansion of the science faculties and institutes.



**The new** university building was designed by the Piedmontese engineer Saverio Belgrano di Farnolasco and was completed at the end of the 18th century. Today it holds the Rectorate and the administrative offices. The 19th and 20th centuries saw a greater emphasis put on the research activities and the achievement of internationally acclaimed results.

## UNICA today

The University of Cagliari is a public university. It is one of the largest enterprises in the region of Sardinia due to its international policy and studies, and its numerous agreements with prestigious universities throughout Europe and the world.

The University consists of the following **Faculties**

- ➡ **Economics, Law and Political Sciences**
- ➡ **Engineering and Architecture**
- ➡ **Humanities**
- ➡ **Medicine and Surgery**
- ➡ **Biology and Pharmacy**
- ➡ **Sciences**

## UNICA and its facilities

### **Cittadella di Monserrato**

is situated within 73 hectares and it is home to Medicine and Surgery, Physics, Biology and Natural Sciences, a number of departments and one of the University hospitals;

**Piazza D'Armi** and the area around it hosts the Faculties of Engineering and Architecture and Humanities;

### **Campus**

**Sant'Ignazio** hosts the Faculty of Economics, Law and Political Sciences;

**The city centre** is home to the programmes of Architecture in Via Santa Croce; Foreign Languages and Literature in Via San Giorgio and of Mathematics, Computer Sciences and Pharmacy in Via Ospedale.

## UNICA by numbers



6

**FACULTIES**



15

**DEPARTMENTS**



25000

**STUDENTS**



38

**BACHELOR'S  
PROGRAMMES**



43

**MASTER'S  
PROGRAMMES**



14

**PhD PROGRAMMES**



500

**FOREIGN EXCHANGE  
STUDENTS**



1000

**VISITING  
PROFESSORS from 2006**



1000

**STUDENTS MOBILITY  
AGREEMENTS**



2000

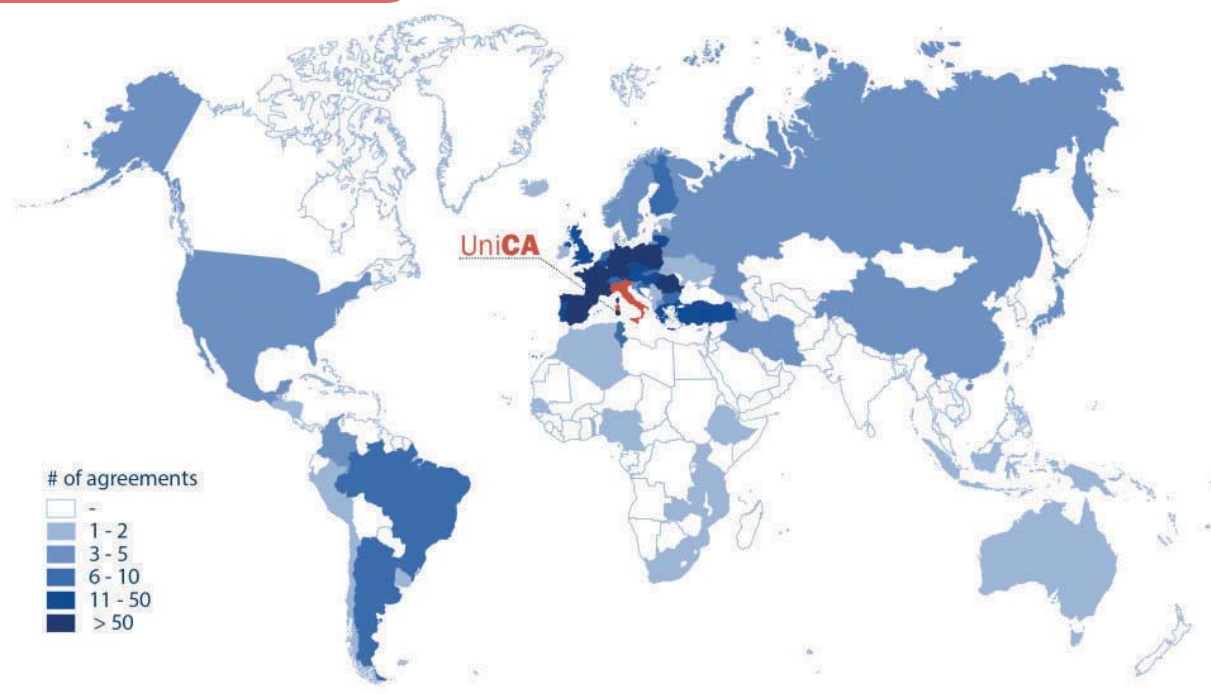
**FACULTY  
MEMBERS & STAFF**



19

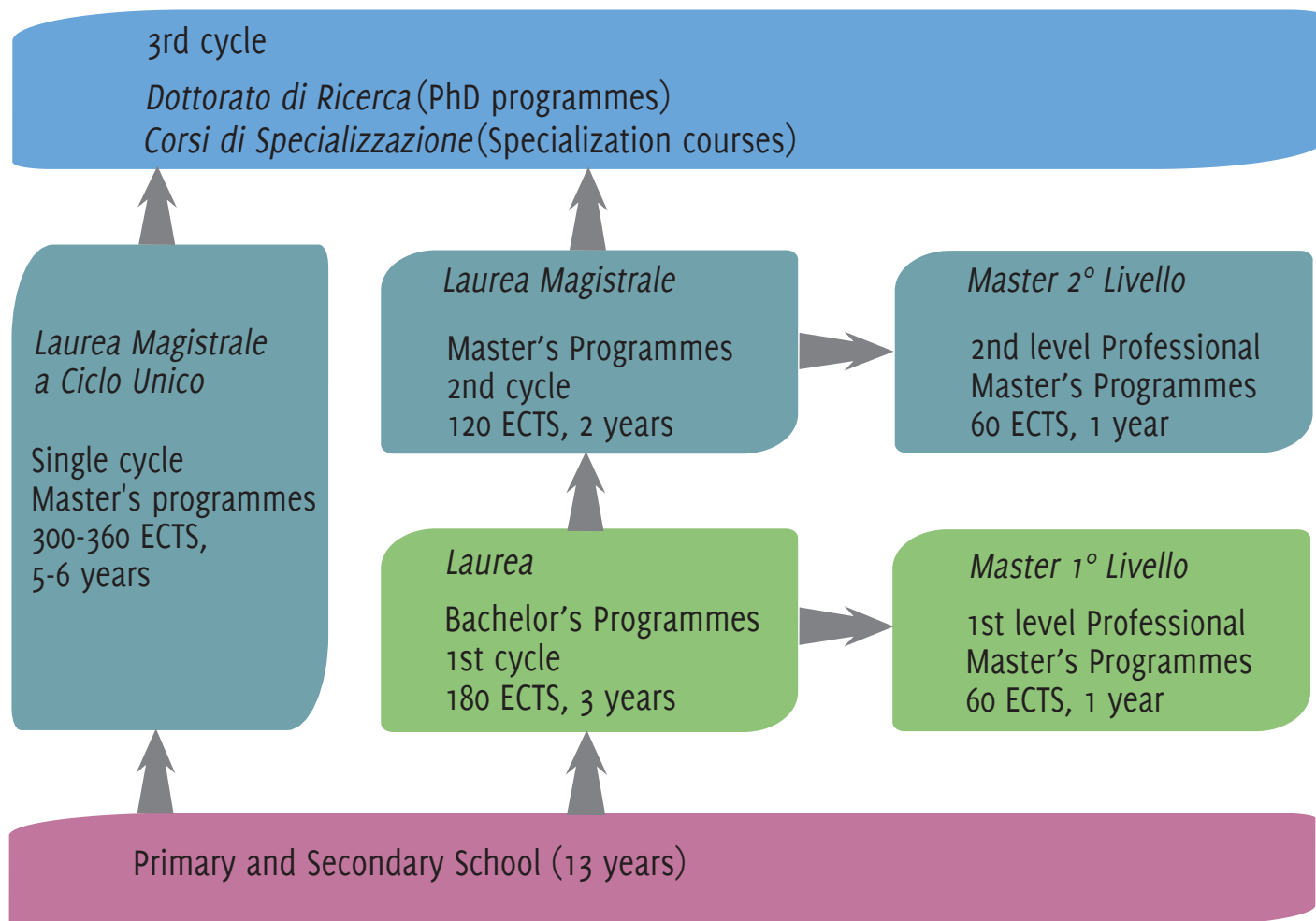
**LIBRARIES**

## Erasmus and Globus destinations





The University of Cagliari follows the Bologna Process and, in accordance with this, it has adopted a higher education system based on the three cycles of study.



*Specific course requirements for admission to the Master programmes have to be fulfilled*

## GRADING SYSTEM, ASSESSMENT, ACADEMIC RECOGNITION

UNICA has adopted the **ECTS** as an accumulation and transfer credit system. ECTS is a student-centred system based on the student workload required to achieve the objectives of a programme. These objectives are defined by learning outcomes and skills that will be acquired.

The workload refers to the notion of time that an average student might take to complete the required learning outcomes.

ECTS are used as recognition for study periods abroad; **60 credits** measure the workload of a full-time student during one academic year.

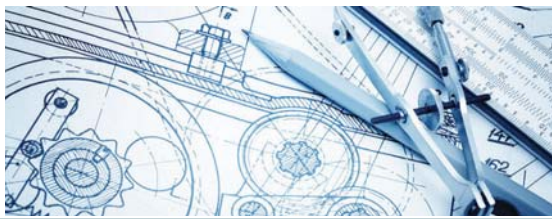
**Italian Credit (CFU) = 25 working hours = 1 ECTS credit**

- The pass mark for examinations is 18 out of 30
- The highest mark for examinations is 30 out of 30
- An excellent performance is usually graded above 28

*In order to get their degree, students are required to prepare a final dissertation to be discussed in front of a board of seven professors who award a final mark not lower than 66 out of 110.*

## Faculties & Degree Programmes

### Faculty of Engineering and Architecture



#### → Bachelor

- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Electric, Electronic and Computer Engineering
- Environmental and Land Engineering
- Mechanical Engineering
- Architectural Science

#### → Master

- Architecture
- Chemical and Biotechnological Process Engineering
- Civil Engineering
- Mechanical Engineering
- Environmental and Land Engineering
- Energetic Engineering
- Electronic Engineering
- Electrical Engineering
- Internet Engineering
- Computer Engineering, Cybersecurity and Artificial Intelligence

### Faculty of Medicine and Surgery



#### → Bachelor

- Nursing
- Midwifery
- Health assistance
- Physiotherapy
- Sport and Exercise Science
- Environment and Workplace Prevention Techniques
- Dental Hygiene
- Speech and Language Therapy
- Imaging and Radiotherapy Techniques

#### → Single cycle Master's Programme (6 years)

- Medicine and Surgery

#### → Master

- Preventive and Adapted Physical Activities
- Health Professions of Technical Sciences (diagnostic)

### Faculty of Biology and Pharmacy



#### → Single cycle Master's Programme (5 years)

- Pharmacy
- Pharmaceutical Chemistry and Technology

#### → Bachelor

- Toxicological Sciences and Quality Assurance
- Environmental and Natural Sciences
- Biology
- Biotechnology

#### → Master

- Marine Bioecology
- Cellular and Molecular Biology
- Preservation and Management of Natural Resources and the Environment
- Neuropsychobiology
- Food and Nutrition Sciences



## Faculties & Degree Programmes

### Faculty of Humanities



#### → *Single cycle Master's Programme (5 years)*

- Primary Teacher Education

#### → *Bachelor*

- Humanities
- Philosophy
- Cultural Heritage and Entertainment
- Languages and Communication
- Languages and Cultures for Linguistic Mediation
- Education Studies
- Psychological Sciences
- Communication Science (e-learning course)

#### → *Master*

- History and Society
- Archaeology and History of Art
- Classical and Modern Philology and Literature
- Modern European and American Languages and Literatures
- Texts Translation
- Pedagogy and Educational Management
- Philosophy and communication theories
- Psychology of Development and of Social and Work Processes
- Sciences of the multimedial production

### Economics, Law and Political Sciences



#### → *Single cycle Master's Programme (5 years)*

- Law

#### → *Bachelor*

- Business and Economics
- Economics and Finance
- Administration and Organization sciences
- Political sciences
- Legal Services

#### → *Master*

- Management
- Economics, Finance and Public Policy
- International Relations
- Policies, society and territory
- Public Administrations Sciences
- Sustainable Tourism Management and Monitoring
- Data Science, Business Analytics and Innovation

### Faculty of Sciences



#### → *Bachelor*

- Chemistry
- Physics
- Computer Science
- Geological Sciences
- Mathematics

#### → *Master*

- Computer Science
- Mathematics
- Chemical Sciences
- Physics
- Geological Technologies and Sciences

## International Degree Programmes

### Our Double Degrees



UniCa is promoting agreements with foreign universities to allow our and their students to get a double degree at the end of their study period



#### ***Bachelor in Humanities***

with Université Paris-Nanterre, France

*Licence mention Langues, Littératures, Civilisations Étrangères et Régionales*



#### ***Bachelor in Business and Economics***

with the University of Applied Sciences, Bielefeld, Germany

*Bachelor International Studies in Management*



with the Czech University of Life Sciences, Prague, Czech Republic

*Bachelor Business Administration*



#### ***Bachelor in Economics and Finance***

with the University Jaume I, Castellón, Spain

*Grado en Economía*



#### ***Master in International Relations***

with the Moscow State Institute of International Relations (MGIMO, Russia)

*Master in Humanitarian cooperation and external relations of regions*



#### ***Master in Environmental and Land Engineering***

with Cracow University of Technology, Cracow, Poland

*Master in Environmental Engineering*



#### ***Master in Chemical Engineering and Biotechnological Processes***

with the University of Chemistry and Technology, Prague (UCT Prague, Czech Republic)

*Master in Chemical Engineering and Bioengineering*



*and more to come soon.*



## EDUC

**EDUC** | European Digital UniverCity



The EDUC project, European Digital UniverCity, joint initiative of the Universities of Potsdam (Germany), Rennes 1, Paris-Nanterre (France), Masaryk (Czech Republic), Cagliari (Italy) and Pécs (Hungary), was selected by the European Commission in 2019, to be one of the first European Universities. The «European Universities» call for projects was launched in 2018 in order to foster collaboration between established European HEIs, on a wide range of activities in Higher education, from student, faculty and staff mobility, to training, research and innovation.

EDUC aims to put back to the centre some key and historical values of Europe, among which knowledge exchange, cultural and linguistic diversity, creating a new community of teaching that includes different cultural areas in Europe.

The direct outcome of the concept of European Digital UniverCity is to facilitate student mobility from one partner institution to another by erasing or mitigating potential obstacles such as administrative formalities, and to benefit from transdisciplinary courses, which can be done via physical mobility but also via internationalization at home, relying on guest professors from partner institutions and virtual classrooms.

Such a campus without border, involving 160.000 students and 20.000 faculty and staff members, will create a real diversification of mobility scenarios, from short and long-term mobility to courses using digital tools. Students, whatever their social or cultural background, will have the opportunity to tailor their own educational programme, and benefit from European learning exchanges and good practices.



[www.educ-alliance.eu](http://www.educ-alliance.eu)



**14 PhD Programmes**

- Physics
  - Civil engineering and architecture
  - Electronic and computer engineering
  - Industrial engineering
  - Mathematics and computer science
  - Molecular and translational medicine
  - Neurosciences
  - Life, environmental and drug sciences
  - Earth and environmental sciences and technologies
  - Innovation science and technology
  - Economics and business
  - Legal sciences
  - History, cultural heritage and international studies
  - Philological and Literary, Historical and Cultural Studies
- 
- Chemical sciences and technologies (UniSS-UniCA)

**Settore Dottorati e Master**

[www.unica.it/dottoratoricerca](http://www.unica.it/dottoratoricerca)

**Each PhD Programme reserves at least one scholarship for foreign candidates holding a degree obtained abroad.**

***Most of the PhD Programmes have signed international agreements with prestigious foreign Institutions to deliver double/joint degrees***





## Academic calendar



The UNICA academic schedule operates on the semester system. There are short intersessions available during each of these terms.

### The semesters begin and end as follows:

#### ➔ 1° semester - Fall

Late September – December (exams January-February)

#### ➔ 2° semester - Spring

Late February to June (exams June-July)

*Exams can be taken also in the September session*



## UNICA Libraries



The University Library System is organized into 4 district libraries:

- Humanities
  - Social sciences, law and economics
  - Engineering and Architecture
  - Sciences and Biomedicine
- and 15 department libraries.

The libraries services are loan (find the textbooks of your courses), interlibrary loan, document delivery, ask a librarian, libraries catalogue, notebook loan, reading rooms, internet access.

### Access to e-collections:

- 60 databases
- 150.000 e-journals
- 100.000 ebooks.

### Printed collections:

100.000 books and journals



**The University Library** was founded in 1764 and is now under the responsibility of the Ministry for Cultural Heritage and Activities. With a collection of hundreds of manuscripts, thousands of autograph letters and a rich collection of works of the XVI and XVII centuries and its beautiful eighteenth-century hall, the Library is one of the most important on the island.



**Address:**  
**32, Via Università**

**Phone:**  
**0039 070 661021**



## Department of Law

→ The sixty professors of the Department of Law are involved in research activities jointly and as individuals. The independent investigation covers all the fields of the legal studies, mainly in the area of history and philosophy of law, private and commercial law, constitutional law and transport law. The researchers of the Department are cooperating in common projects focused on mediation and arbitration, human rights and immigration (a project has been funded by the European Union), and assets and real estate. The condition of women in the family and in the institutions is also studied, as well as the legal and social protection of elderly persons. The Department supports the activities of the Center of Labour Law and the Research Institute on Legal issues of the automation and the new technologies.



## Department of Economics and Business

→ The Department of Economics and Business offers a great diversity of research expertise. In Economics, researchers are specialised in both theoretical (growth, structural change and general equilibrium) and empirical modelling (tourism, innovation, international trade, labour, health, behavioural and welfare economics). In Business and Administration, the main research areas include corporate governance, transfer pricing and performance management in both the public and the private sector. In Management and Organisation, research interests lie in the areas of entrepreneurship, innovation, creativity, technological transfer, marketing and tourism management. In Statistics and Mathematics, researchers are specialised in computational statistics and finance, data mining, forecasting model, mathematical finance, financial and actuarial modelling. In Law, the research lines are related to corporate accounting, insolvency law and intellectual property rights. The department also houses the inter-university consortium CIREM - Centre on Economic and Mobility Research and its section CRENoS - Centre for North South Economic Research.



## Department of Political and Social Sciences

→ The Department of Political and Social Sciences of the University of Cagliari provides a high-qualified working environment whose aim is that of guarantee a specialized research and teaching framework. The Department teaching staff is composed of Historians, Jurists, Sociologists, and Statisticians. The Department has a multidisciplinary approach within the main field of Social Sciences (Sociology, Statistics, History, Geography and Law). Specifically, there is a focus on History, Law and Politics of the European Union, International politics, General Sociology, Sociology of Education, Organization Sociology, Quality assessment. Other important field of studies of the researchers is that of Migration Geography, History of Asia and Africa, as well as History of Islamic Countries. The Department is in charge of 5 degree courses, 2 bachelors (Political Science; Administration and Organization Sciences) and 3 Masters (International Relations; Public Administrations Sciences; and Politics, Societies and Territory).



## Dept. of Civil-Environmental Engineering and Architecture

→ The Dept. of Civil-Environmental Engineering and Architecture (DICAAR) is a multidisciplinary polytechnic Department, where the sciences and technologies of the natural and built environment are developed. The main research lines are:

**Architecture:** Architectural and Urban Design, Urban Planning, Landscape, Rehabilitation and Restoration of Historical Architecture, all supported by research laboratories;

**Civil Engineering:** hydraulic risk assessment/mitigation; hydraulic/marine structures, systems and infrastructures design/management; structural mechanics, structural design, assessment/retrofitting, construction materials, materials testing, transport, mobility and logistic planning/design; traffic management and safety; sustainable mobility and smart cities; geodesy, coastal monitoring and 3D geometrical modeling;

**Environmental Engineering:**

soil/sediment/waste/wastewater management and treatment, geotechnical works and structures-soil interactions, sustainable development, analysis and prevention of damaging hydrogeological events, risk evaluation for the occupational safety and health.





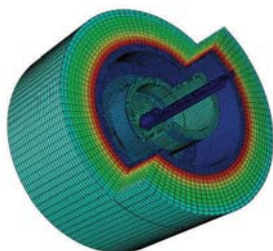
## Department of Electrical and Electronic Engineering

- ➔ The Department of Electrical and Electronic Engineering is a research and teaching institution with a permanent staff of 45 professors and researchers; including Ph.D students, postdoc and research fellows each year 200 people do research at DIEE. Biomedical engineering, computing science, electronics, telecommunication, automation and robotics, electromagnetism, electric circuits, electrical machines, electrical and electronic measurements, and power systems are the research fields at DIEE. Cyber security and pattern recognition; prediction of plasma disruption in nuclear fusion reactors; smart grid and microgrids operation monitoring and control; Internet of things and smart cities; new electronic devices for biomedical applications; advanced control systems and diagnostics; design of innovative power converters for electro-mobility applications; innovative design of antennas and RFID are examples of most recent research granted by EU and Italian public or private institutions. Research projects are carried out in a strong international environment with bidirectional mobility of scholars and students.



## Department of Mechanical, Chemical and Materials Engineering

- ➔ The research topics addressed at the Department of Mechanical, Chemical and Materials Engineering are summarized as follows:  
Cultural heritage, Bioengineering, Transport phenomena of energy, mass and momentum, Chemical reaction and reactor engineering, Electrochemical engineering, Energy and environmental engineering, Mechanics of materials and structures, Production systems optimization, Design of systems and apparatuses for the mechanical, chemical and materials engineering, Materials sciences and technologies, Control systems, instrumentation and robotics, Manufacturing and assembly technologies, Thermodynamics.





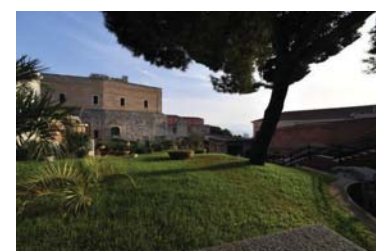
## Department of Literature, Languages and Cultural Heritage



The Dept. of Literature, Languages and Cultural Heritage can boast a wide range of scientific skills and teaching in multiple humanities disciplines. The geographical and cultural contexts of the Mediterranean and Europe are the primary focus of research, but interest extends in some sectors to other areas of the world, such as the Americas, India, Africa, the Far East. Temporal contexts range from prehistory to history in its four fundamental ages.

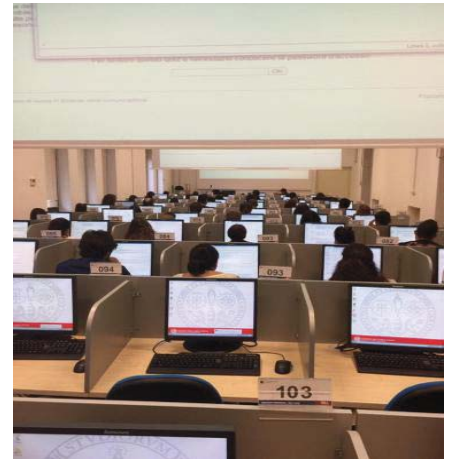
In the philological and literary fields, research moves from antiquity (Sanskrit, Greek, Latin, Hebrew), to the analysis of the rise of national traditions in the medieval period (Romance, Germanic, Slavic), to studying the development in the modern and contemporary world of different national European literatures, also from the perspective of comparative literature. Specific attention is given to the case of Semitic languages with the peculiar situation of Arabic. Linguistic studies range from comparative historical and typological linguistics (Indo-European languages, Mediterranean languages) to the synchronic linguistics of Italian, Sardinian, English, French, German, Russian, Arabic and Chinese. Particular attention is paid to applied linguistics in the field of language teaching. Fields of research such as semiotics act as a link between linguistic and literary interests and other areas of humanistic studies.

Likewise, many key research activities focus on history; epigraphy, archival science and palaeography; archaeology (prehistoric, classical, Christian, medieval), history of art, geography (physical, human, regional, historical) and cultural anthropology. Studies in the vast area of cultural heritage are particularly concerned with the construction of the concept of 'cultural heritage' itself, its social applications as well as the possible effects on the territory in terms of both the transfer of knowledge and skills and the public enjoyment and cultural development of such assets. This provides the basis for the development of numerous projects especially in the archival, historical-artistic and archaeological fields. An intense activity of research, teaching and optimisation is also carried out in the study fields of music, theatre, cinema and audiovisual products, often projected towards new research methods with an interdisciplinary vocation.



## Department of Pedagogy, Psychology, Philosophy

→ The Department of Pedagogy, Psychology, Philosophy promotes exploration into important issues in Education, Psychology and Philosophy; it operates within the Faculty of Humanities and offers a wide set of programmes, at both undergraduate and postgraduate level (B.A. and M.A. in educational, psychological and philosophical areas; PhD Course on Philosophy, Epistemology and Cultural History). Educational topics concerns General Pedagogy, Didactics, Educational Technology and Special Pedagogy, regarding the training of many teaching levels. Psychological research looks at typical and atypical human development, starting from first affective relationships until to active aging, ranging from psycho-physical and organizational well-being to gender equality and environmental sustainability. Philosophical research is articulated in a wide area concerning philosophy (Epistemology, Logic, Linguistics, Moral philosophy) and history of philosophy (ancient, modern and contemporary).



## Department of Surgical Sciences

→ The Department of Surgical Sciences is a collaborative group of researchers who are working towards less invasive surgical techniques (to reach better aesthetic results and less postoperative discomfort) and to introduce new "robotized" devices to move traditional endoscopy to the treatment of cancer. The main research lines are:

**Colorectal Surgery:** new screening techniques for preventing cancer; prognostic biomarkers; stool tests.

**General and Endocrine Surgery:** differentiated thyroid cancer; radio-guided parathyroid surgery.

**Microbiology:** cell division in *Streptococcus pneumoniae*; antibacterial agents and antibiotic resistance.

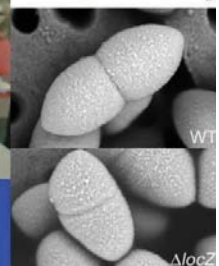
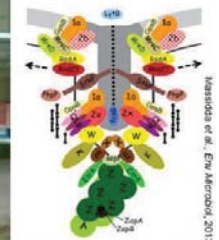
**Obstetrics and Gynecology:** fetal chromosomopathy and pre-eclampsia; pre-term birth and gestational diabetes; infertility; contraception; uro-gynecology, new generation sequencing for tailored treatment of tumors.

**Odontology:** oral pathology and microbiology; Imaging; biologic medications.

**Ophthalmology:** medical and surgical retina.

**Otorinolaryngology:** metabolomics; HPV.

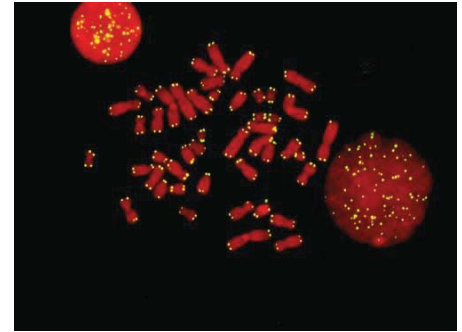
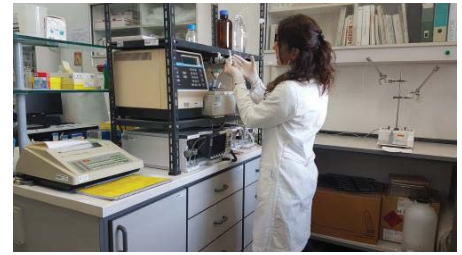
**Pediatrics:** HRMN metabolomics on new-born and children; microbiomics and stem cells in maternal milk; regenerative medicine of the kidneys; immuno-histochemistry of the urinary apparatus in the embryo.





## Department of Biomedical Sciences

- The main research topics of the Department of Biomedical Sciences are focused on diverse and complementary aspects of cellular and molecular biology, neuroscience, physiology, molecular pathology, clinical pharmacology and microbiology, with implications for genetic and degenerative diseases, psychiatric and neurological disorders and tumours. The purpose of our research is to integrate basic molecular and cell-biology studies with physiological and metabolic studies of organs, in vitro and in the intact organism, in normal and pathological states. Two PhD programs (Neuroscience and Molecular and Translational Medicine) are offered for students along with several Residency Schools for medical students.



## Department of Medical Sciences and Public Health

- Our most important fields of research in recent years:
- Basic Research.** Metabolomics: a new era in Medical Sciences
  - Cardiology.** CV disease today. From pathophysiology to new prevention modalities
  - Endocrinology.** Advances in the understanding and management of endocrine diseases
  - Hematology.** Immune biomarkers predictive of response to treatment in onco-hematological diseases
  - Human Rights and Mental Health.** A new patient-centered medicine, in people with disability
  - Internal Medicine.** Direct anticoagulants. Clinical and laboratory perspectives
  - Medical Genetics.** From genetics to transplant genomics
  - Occupational Medicine.** Gene-environment interaction: work-related factors
  - Oncology.** The immune revolution in the treatment of solid tumours.
  - Rheumatology.** Systemic connective tissue diseases and arthritis.



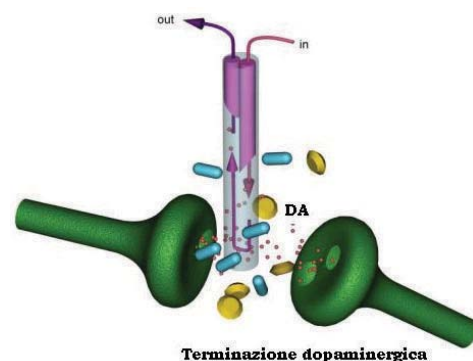


## Department of Life and Environmental Sciences (DiSVA)

- ➔ DISVA is a multidisciplinary department that includes 6 sections:
- Animal Biology and Ecology section
  - Drug Sciences section
  - Pharmaceutical, Pharmacological and Nutraceutical Sciences section
  - Botany section
  - Biomedical section
  - Neurosciences and Anthropology

The most relevant research topics include:

- Biology and ecology basic and applied research on flora and aquatic and terrestrial fauna.
- Structural and functional characterization of human, plant and viral proteins.
- Studies on bioactive molecules, drugs, foods and nutraceuticals and their formulations and delivery.
- Study of biological and patho-physiological processes that underlie the CNS functioning and study of genetic and phenotypic variability of human populations related to the environment.



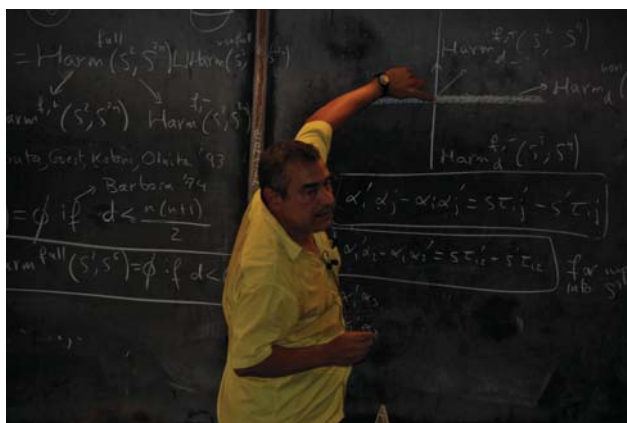
## Department of Physics

- ➔ The main research topics of the Department of Physics are:
- Experimental Particle Physics: Quark-gluon plasma, CP-violation and rare decays at the Large Hadron Collider at CERN. Dark matter searches.
  - Theoretical High Energy Physics: QCD and nucleon structure. Gravity, holography and string theories.
  - Theory and simulations of nano-materials for advanced applications and emerging/topological properties in condensed matter systems.
  - New materials and nanotechnologies for energy, photonics and sensing.
  - Physics applied to medicine: From molecular characterisation to biological responses including radiological protection.
  - Multi-wavelength (from radio to gamma) study of astrophysical objects, galactic and extra-galactic radio astronomy, radio pulsars, masers, spectral and timing properties of X-ray binaries, secular evolution of binary systems harbouring a compact object (neutron star or black holes).



## Department of Mathematics and Computer Science

- The current Department of Mathematics and Computer Science is born on 2012, and is a further development of the Istituto di Matematica established in 1926. The research topics of the Department concern Analysis, Numerical Analysis, Mathematical Physics, Geometry, Operational research, Statistics and several branches of Computer Science. The Department offers teaching of Mathematics and Computer Science in about 22 Bachelor Degree and Master Degree courses at the University of Cagliari in Engineering, Architecture, Physics, Chemistry, Biology, Earth Science, Pharmaceuticals, Medicine, Economy. The Department is also responsible for the PhD School in Mathematics and Computer Science.

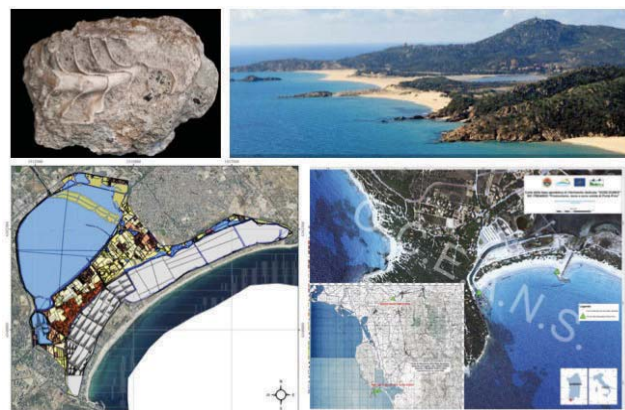
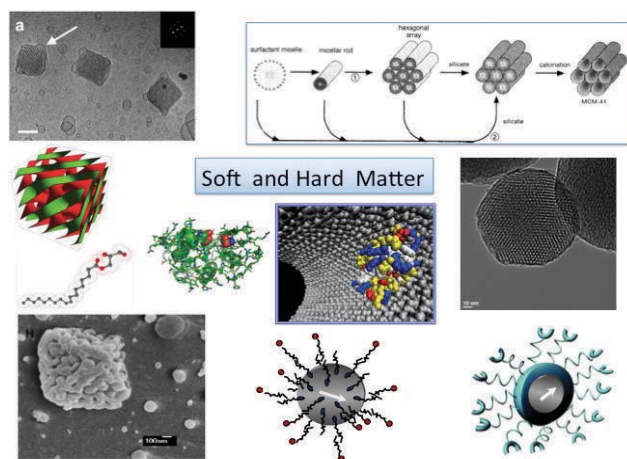


## Department of Chemical and Geological Sciences

- The Department of Chemical and Geological Sciences was constituted in 2012, and involves multidisciplinary expertise, mainly in Chemistry and Earth Sciences.

**The Chemistry researchers** have diversified expertise in the areas of Analytical, Inorganic, Organic, Physical and Industrial Chemistry. Relevant skills in the synthesis methodologies, nanotechnologies, and bottom up strategies are aimed to produce smart functional materials, characterized by highly specific performances in different applied fields. Many projects have implications and possible developments within Sustained and Green Chemistry goals, as well as Cultural Heritage preservation.

**The Geology researchers** have diversified expertise in different Earth Science areas: the study and monitoring of waters, soils, and coasts with the aim of protecting the territory from pollution, hydro-geological risk, and coastal erosion. Several projects involve the study of rocks, fossils and artifacts found during archaeological excavations. Another area is the production of maps of lands and coasts. The Museum of Mineralogy 'Leonardo De Pruner' and the Museum of Geology and Paleontology 'Domenico Lovisato' are prestigious and known among international scientists.





## Contamination Lab UNICA



**CLab UniCA**  
CONTAMINATION LAB  
CAGLIARI

CLab UniCa is a project of the University of Cagliari promoting innovation and entrepreneurship. The CLab enrolls each year 120 students (undergraduate and master degree) with different backgrounds in a five-month program (from September to February) to promote the creation of start-ups. The program offers the opportunity to go through the entire entrepreneurial process – from problem identification to venture creation – possibly establishing real-world companies. We believe that this is a unique and special form of higher education, with a clear emphasis on real-life problem solving capabilities. It is not necessary to have a business idea to be part of the project and selection is based on an aptitude test and not on the student's academic record. Erasmus students with different backgrounds are very welcome to be part of the project. They will get ECTS credits for their activities and eventually become a start-up founder. CLab UniCa was the 2016 National Winner of the European Enterprise Promotion Awards. CLab UniCa is part of the CREA - Center for Entrepreneurship and Innovation Activities at the University of Cagliari. The Center supports students and professors in developing entrepreneurial skills and provide tailored support for early-stage, high-growth businesses and ideas, fostering university-industry collaboration.





## Courses



Our University Language Centre (CLA) is a service which aims to teach foreign languages to university students, European programmes students, international exchange students, students with scholarships, specializing students, contract workers, PhD students, university researchers, teachers, administrative personnel and the general public.

### THE CENTRE ORGANIZES COURSES IN:

- |           |              |           |
|-----------|--------------|-----------|
| ➔ Arabic  | ➔ German     | ➔ Russian |
| ➔ Catalan | ➔ Japanese   | ➔ Spanish |
| ➔ English | ➔ Portuguese | ➔ Turkish |
| ➔ French  |              |           |

The courses are held by professional teachers, native speakers of the language, who use advanced technology in order to develop the students' skills further; this includes audio, video, computing materials, audio-active laboratories and a multimedia laboratory with self-learning facilities.

### The courses are organised according to the different programmes and they are based on various levels:

- |                              |                                |
|------------------------------|--------------------------------|
| ➔ Absolute beginners (A1)    | ➔ Intermediate I-II (B2)       |
| ➔ Elementary I-II (A2)       | ➔ Upper-intermediate I-II (C1) |
| ➔ Pre-intermediate I-II (B1) | ➔ Advanced I-II (C2)           |

The CLA is a testing site for the TOEFL exam in English and DELF/DALF French

DELF  
DALF

ETS® TOEFL®

[cla.unica.it](http://cla.unica.it)

**Italian language courses**

Since lectures, seminars and tutorials are held mostly in Italian, it is advisable for foreign students to arrive at the university with a basic knowledge of the Italian language (level A2).

During October and March the University Centre for Italian teaching to foreigners (CIS) organises three intensive 60-hour Italian courses (Elementary, Intermediate and Advanced) with classroom lectures and extensive tutorials in a modern language laboratory.

These courses are essential for successful progress in the chosen studies. Students planning to attend our university are thus kindly requested to let ISMOKA know whether they wish to attend one of the courses by the 31st August for the course held in October or the 31st December for the course held in March.

**Summer school of Italian language**

Each year the University of Cagliari organizes an Italian Summer School, with courses lasting 40 hours in total. The language courses are available for the following levels:

**A1, A2, B1, B2, C1.**

These language courses are organised by the University Centre for Italian teaching to foreigners (CIS) and by ISMOKA.

The teaching programs are aimed at developing reading, writing, listening and speaking skills in terms of grammar, phonetics and vocabulary.

Throughout the summer there are four courses which are available and they last 2 weeks each. Students who successfully complete the course will be given a certificate stating the level they achieved according to the Common European Framework of Reference for Languages (CEFR).

**The registration fees for the different courses are available at the web site**

[www.unica.it/italiancourses](http://www.unica.it/italiancourses)

**Contacts:**

Campus Aresu  
Via San Giorgio n. 12  
Ingresso 2 – 09124 Cagliari – Italy  
Tel: +39 070 675 6539 / 6540 / 6541  
Email: [erasmus@unica.it](mailto:erasmus@unica.it)

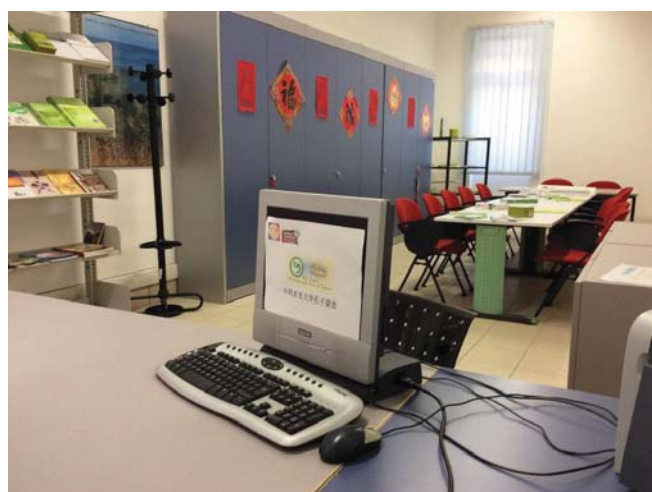
Website: [www.unica.it/italiancourses](http://www.unica.it/italiancourses)  
Email: [italiano@unica.it](mailto:italiano@unica.it)



## Confucius Classroom



In December 2014, the University of Cagliari and the Chinese Hanban (the National Office for Teaching Chinese as a Foreign Language – a non-profit organization affiliated to the Ministry of Education) have signed an Agreement, through the Confucius Institute of Rome/La Sapienza, in order to establish a Confucius Classroom in our University. The Classroom has been officially opened on April 29th 2016. Its main aim is to provide scope for the people in Sardinia to learn about Chinese Language and Culture through the organization of language courses in all the Sardinian territory and seminars, conferences and workshops in order to provide good knowledge of Chinese culture. The Confucius Classroom at the University of Cagliari is fully active in providing Chinese Language Courses to High Schools, to the administrative and academic staff of the University of Cagliari and to the broader Sardinian community throughout its Chinese mother tongue and Italian teaching staff. Furthermore from June 2017, the Classroom has become official test center for the Chinese Proficiency Test (Hanyu Shuiping Kaoshi – HSK test).



**Orto Botanico di Cagliari****Hortus Botanicus Karalitanus (HBK)**

HBK (Hortus Botanicus Karalitanus) includes the Botanical Gardens, the Sardinian Germplasm Bank (BG-SAR) and the Botanical Museum (MBK). In addition to research activities, dissemination and environmental education, among its main goals are the preservation and enhancement of plant diversity.

The Botanical Gardens, occupy 5 ha of an archaeological site between the Roman Amphitheatre and the Villa Tigellio. It hosts a Roman well and several Roman cisterns in good conditions. Collections of tropical, subtropical and Mediterranean species are present, with four greenhouses and several tanks dedicated to aquatic plants. Among the most attractive places, the palm grove, the desert area, the Roman quarry, the Mediterranean forest, the biodiversity rock gardens and the herb garden can be mentioned.

The Sardinian Germplasm Bank (BG-SAR) plays a central role in the conservation of Sardinian plant diversity and in the protection of the most sensitive ecosystems of the island. The main research activities of BG-SAR mainly concern the ex situ conservation, studies on "Invasive Alien Species" (seed germination ecology, seedling development, potential invasive power) and archaeobotany.

The Botanical Museum (MBK) hosts a display of antique scientific instruments and lessons dating back to the 800s and early 900s CE. It includes a collection of models made according to the ancient art of wax modelling, among which a model of the first planting of the Botanical Gardens, designed in 1867 by the head gardener Giovanni Battista Canepa, under the direction of Patrizio Gennari.

**Opening hours:**

April-October 9:00/18:00

November-March 9:00/14:00

Monday closed

Guided tours on request (minimum 10 people).

Address: Viale Sant'Ignazio da Laconi,  
9-11 - 09123 Cagliari

Web site: [www.unica.it/ortobotanico](http://www.unica.it/ortobotanico)

Tel: 0706753512



## International mobility

ISMOKA is the International Students Mobility Office which foreign students must contact on their arrival in Cagliari. It is also in charge of the staff and professors/researchers mobility within the Erasmus+ Programme.

All the information about ERASMUS in Cagliari can be found on the Internet at:

Website: [www.unica.it/internationalmobility](http://www.unica.it/internationalmobility)

Email: [erasmus@unica.it](mailto:erasmus@unica.it)

Researchers mobility outside the Erasmus Programme is in charge of the EURAXESS SERVICE CENTRE:

Website: [www.unica.it/euraxess](http://www.unica.it/euraxess)

Email: [euraxess@unica.it](mailto:euraxess@unica.it)



## University guest house

Located in the city center with an incredible view of the surrounding landscape, our Guest-house is open all year round. It offers 17 single rooms, 8 double rooms, and 2 double suites with 2 rooms, fitted with all necessary facilities.

Website: [www.unica.it/guesthouse](http://www.unica.it/guesthouse)

Email: [foresteria@unica.it](mailto:foresteria@unica.it)

Address: [Via San Giorgio 12, entrance 3, 09124 Cagliari](#)



## Services on inclusive education and disabilities



We welcome applications from students with disabilities and special needs. The adviser for disabled students runs a comprehensive service dealing with issues including admission arrangements, personal support and guidance, orientation, learning support, advice on equipment purchase and special exam arrangements.

Website: [www.unica.it/sia](http://www.unica.it/sia)

Email: [tutor.sia@unica.it](mailto:tutor.sia@unica.it)

70 years of history, 8 teams in national and regional tournaments, 700 athletes, 2800 members. This is CUS Cagliari, the University Sports Center (Centro Universitario Sportivo) at the University of Cagliari.

At the "Sa Duchessa" Sports Center (Cittadella Sportiva "Sa Duchessa", via Is Mirrionis 3, Cagliari), students can find a six-lane running track, three football pitches (five-a-side, seven-a-side and eleven-a-side), the "PalaCUS" sport hall with two multifunctional gyms, a covered structure for volleyball and tennis, a fencing room, four tennis courts, a basketball court and two bodybuilding gyms. The Sports Center also houses a Students Office, a study room for 50 students, and a 100-person conference room.

CUS Cagliari provides many courses for students: athletics, canoeing, fencing, functional training, kickboxing, tennis, total athletic training, volleyball, riding, rugby and surfing.

CUS Cagliari has two more sports centers: one covered structure for basketball, volleyball and tennis at the Cittadella Universitaria Monserrato (SS 554, km 4500) and the Nautical Center for canoeing and kayaking (Via dei Calafati 6).



### **CUS Card:**

To use the CUS Cagliari sports centers students need a CUS Card which can be obtained at the CUS Students Office or via the CUS Cagliari website

<http://www.cuscagliari.it/cus-card>

### **CUS Cagliari Students Office:**

Via Is Mirrionis 3, Cagliari

Phone: +39.070.283816

E-mail: [cus@unica.it](mailto:cus@unica.it)

### **Students Office opening hours:**

Monday and Wednesday 15:30-18:30;

Tuesday and Thursday 09:00-12:00;

Friday 09:00-12:00 and 15:30-18:30



**For more information  
visit web-site**

**[www.cuscagliari.it](http://www.cuscagliari.it)**



**ERSU**

ERSU is the Regional Authority for the Right to Higher Education. Its function is to cooperate with the regional government and the university to promote higher education, accessibility to university courses and, through economic support and orientation activities, promote the achievement of high degrees of professionalism for deserving students.

**ERSU card**

Students need an ERSU card to benefit from some of the university services, such as the canteen service. To get a card they have to register in the website:

[www.ersucagliarionline.it](http://www.ersucagliarionline.it)

fill in the application form and then go to ERSU office in Corso Vittorio Emanuele II, 68 – Cagliari.

The card costs €2.00 and is valid for one year.

**Some of ERSU services****Housing services**

ERSU offers a limited number of rooms to incoming international students, vacated by Sardinian students who in turn go abroad. Assignment of rooms after application depends on availability.

ERSU has activated an online service named “Sportello Cerco/Trovo casa”, that can help incoming students to find an accommodation in private structures.

**Canteen Service**

Several canteens are available throughout Cagliari for students holding an ERSU card: single meal € 5.00, but if you go frequently, you can buy a subscription meal for € 3.00.

**Health Care Service**

A medical assistance (Assistenza sanitaria) is available by first filling the application form downloadable from [www.ersucagliari.it](http://www.ersucagliari.it) and deliver it to ERSU office in Corso Vittorio Emanuele II, 68 – Cagliari.

**Cultural and Recreational Services**

Spaces dedicated to cultural and recreational services are in the Centro Mensana, in Via Trentino, next to the canteen. There it is also possible to ask about the access to cultural initiatives, discounted voucher for theatre and others.

**Rent a Bike for Free**

It is possible to rent a bike for free for a three-month period, by only paying a refundable deposit of 35 €. The rent can be renewed after 3 months.

**For more information  
visit web-site**

[www.ersucagliari.it](http://www.ersucagliari.it)



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09124 Cagliari, Italy



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