IEP Italy

International Catalogue

Foundation & Postgraduate programmes delivered in English

Academic Year 2023/24


Your gateway to quality international education
IEP Italy

International Education Partners (IEP Italy)

International Education Partners (IEP) Italy is a prestigious and esteemed educational institution, unwavering in its commitment to bestowing exceptional and unparalleled high-level international higher education programmes within the captivating confines of Italy. Renowned for its unwavering dedication to academic excellence, IEP Italy takes great pride in offering an extensive array of intellectually stimulating Foundation programmes and Master programmes spanning an impressive breadth of disciplines. From the realms of Business Studies and Management Studies to the captivating frontiers of Information Technology, Science, Agriculture, Transport, Geothermal applications, Agro Food Chain, and beyond, the repertoire of programmes available at IEP Italy is nothing short of awe-inspiring.

Setting itself apart from its counterparts, IEP Italy has strategically forged a harmonious and symbiotic partnership with the esteemed CIRPS (Inter-University Research Centre for Sustainable Development). Acting as a beacon of innovation and thought leadership, CIRPS serves as an intellectual nucleus, skilfully bringing together professional international experts in sustainable development and sustainability science hailing from Eleven pre-eminent Italian universities. Furthermore, this profound collaboration extends its reach to encompass several other major Italian and international partner universities. As a bastion of cutting-edge research and erudition, CIRPS propels the boundaries of knowledge, orchestrating academic networks, and endowing invaluable technical-scientific services relevant to sustainable development at both national and international arenas.

Through its affiliations with CIRPS and collaboration with the 'Borgi Piu' Belli D' Italia', IEP Italy enjoys the privilege of being associated with an extensive network of captivating campuses. These campuses and 'Borghi', gracefully scattered across the enchanting Italian landscape, serve as the idyllic settings for IEP Italy's academic endeavours. From the historical towns and hamlets to major UNESCO cities of art, culture, and unparalleled beauty, such as Rome, Bari, and Florence, these captivating locations offer an immersive and enriching environment for students pursuing their educational journey with IEP Italy.

In essence, IEP Italy stands as a paragon of erudition, dedicated to fostering intellectual growth and transcending boundaries in the pursuit of knowledge. With their exceptional programmes, esteemed partnerships, a focus on the green and blue economy, and alluring campuses, IEP Italy continues to ignite the flame of learning and shape the minds of tomorrow's global leaders.

IEP Italy presents an exceptional array of educational pathways, currently comprising a comprehensive selection of FOUR Foundation programmes and an extensive SIXTEEN Master programmes. These esteemed curricula span a wide spectrum of disciplines, encompassing the realms of Business Studies, Management Studies, Information Technology, Science, Agriculture, Transport, Geothermal applications, Agro Food Chain, and a bespoke range of captivating disciplines offering wide academic and professional employment pathways. ▪

CIRPS: Inter-University Research Centre for Sustainable Development

CIRPS (Inter-University Research Centre for Sustainable Development), which is an inter-university research centre that brings together experts in sustainable development and sustainability science. More than 100 lecturers, researchers and technicians participate in the Centre's activities as Ordinary Members, as they belong to one of the 11 Italian universities that signed the Centre's Founding Convention. A further 170 are Associate Members, lecturers from 14 other Aggregate Universities or highly specialised experts not belonging to the university world.

Throughout its 30-year history, thanks to its experience in the field and the contribution of talented researchers, CIRPS has always verified that the great challenge of our time consists in knowing how to combine research with environmental protection and social justice: in other words, in knowing how to put technology and innovations at the service of this ambitious but unavoidable project, basing the activities promoted by the Centre on the principles of the circular economy and the pillars of the Millennium Goals. On the other hand, without a fair distribution of resources (natural, social, economic), the overall goals of peaceful coexistence between human systems and natural habitats, which is a condition of mutual benefit, cannot be achieved. Climate change, which has been taking place since the onset of the industrial revolution, is causing an acceleration in the pre-existing imbalances and requires, with a certain urgency, a strategy that moves at least on a double track: the reduction of environmental impacts and resilience training with respect to the mutations that we are already facing.

CIRPS coordinates and participates in University Networks of Excellence, research projects and training activities and technical-scientific services on sustainable development, at international, European, national, regional, and local levels. It has been carrying out its activities since 1988, also through collaborations and agreements with universities, research centres, companies, and national and international institutions.

CIRPS was established in April 1988, on the joint initiative of the Universities of Cassino, "Della Tuscia" of Viterbo and the University of Rome "La Sapienza", under the name of "Inter-University Research Centre on Developing Countries", later changed to the current "Inter-University Research Centre for Sustainable Development" in view of the evolution of the international situation (emergence of Emerging Countries, newly industrialised countries, and major migrations).

The Universities of Lecce, Macerata, Palermo, Perugia, Sassari, and Turin as well as the University of Guglielmo Marconi subsequently joined, with an additional deed to the Convention. The current situation of the universities participating in CIRPS is summarised in the list here ►

list of CIRPS member universities

- **E CAMPUS University**
- **University of Pisa**
- **University of Siena**
- **University of Molise**
- **University of Teramo**
- **University LUM**
- **University of Palermo**
- **Guglielmo Marconi Telematic University**

The following aggregated universities are also associate members of CIRPS:

- **Polytechnic University of Turin Sapienza**
- **University of Rome**
- **University of Campania 'Luigi Vanvitelli**
- **University of L'Aquila**
- **University of Tuscia –**
- **Viterbo University of Salento**
- **University of Bolzano**
- **University of Cassino**
- **University of Catania**
- **University of Florence**
- **University of Macerata**
- **University of Naples 'Federico II**
- **University of Perugia**
- **University of Rome**
- **University of Salerno**
- **University of Sassari**
- **University of Turin**
- **IUL University of Florence**

Member Universities of CIRPS have a strong focus at researching, developing, and disseminating scientific knowledge, technological solutions and methodologies for work, organisation or social life that enable sustainable development. Since 1988, CIRPS has been applying and disseminating the principles internationally recognised as necessary for the realisation of a social, economic, and technological development capable of guaranteeing the increase and sharing of wellbeing without penalising the environment, or any social group, geographical area, or future generations.

Borghi Piu Belli D'italia

https://borghipiubelliditalia.it

The Association of 'The Most Beautiful Villages in Italy' was established around the objectives of protecting, promoting, and developing the municipalities recognised as Italy's Most Beautiful Villages.

In March 2001 the Association of the most beautiful villages in Italy was born on the impulse of the Tourism Council of the National Association of Italian Municipalities (ANCI). This initiative arose from the need to enhance the great heritage of history, art, culture, environment, and traditions present in small Italian centres which are, for the most part, marginalised by the flow of visitors and tourists. In fact, hundreds of small "villages in Italy" are at risk of depopulation and consequent degradation due to a marginal situation compared to the economic interests that gravitate around the tourist and commercial movement. For this reason, the Association, which was not created to carry out a mere integrated tourism promotion operation, aims to guarantee – through protection, recovery and enhancement – the maintenance of a heritage of monuments and memories that would otherwise be hopelessly lost. We do not offer "Heavens on Earth" but we want more and more people who return to live in small historic centres and visitors who are interested in knowing them can find those atmospheres, those smells and flavours that make "the typicality" a life model that is worth "taste" with all the senses. ■

Welcome message from CIRPS' director Prof. Vincenzo Naso

Environmental sustainability and the current UN SDGs have risen higher up the global and local agenda and there has been a proliferation of institutions, programmes and initiatives entering the glocal higher education framework. Collaboration between institutions is now common, but even more often actors operate in isolation, duplicating effort, and confusing issues. CIRPS with the support of IEP and in partnership with the Borghi Piu Belli D'Italia is harnessing momentum behind a focused set of global strategies and priorities that seem essential to higher education and lifelong learning.

An educational framework which goes beyond one institution and beyond academia into the world of professional employability. The objectives are those that maximise impact, explain the possible employment avenues for professionals in the field of specialised areas which are at the service of local and global communities. Regenerating mind and contributing to new knowledge which can transform individuals from a global perspective and give them new skills and competencies that go beyond the 'normal' theoretical framework.

All courses that have been developed by the top experts in Italy, in Europe and beyond aim at equipping learners with a body of applicable knowledge that allows them, also through an internship and stage, to sharpen their employability for the world post 2023. CIRPS, IEP and the Borghi Piu Belli d'Italia have identified significant potential of an off-grid and mini-grid University higher education courses ranging from professional foundation to Masters' programmes that are built on the premise of knowledge transfer and an essential component of building capacity at institutions and utilities at the service of global and local communities.

The intent is to provide learners with a 'living' experience which is second to none in the post-covid era. It is a skills development programme that is tailormade for learners in line with the UN SDGs. CIRPS and IEP are inviting bona fide candidates to reinforce the possibilities of changing their lives and the lives of glocal communities with a notable life experience inside often overlooked spaces which will regenerate knowledge, and crucially reinforce the acquisition of employable skills so important at this day and age - from face to face to digitalisation.

I am convinced that the benefits for all participants will be enormous and produce a consistent pipeline of readily trained employable individuals through flexible and hands-on teaching learning formula, with new skills for glocal regeneration. I welcome all global learners to this innovative state of the art international programme. Italy and its millennial history of science, culture, art and technology welcomes you all to share in the concrete realisation of the UN SDGs. ■

Prof. Vincenzo Naso, Director of CIRPS

International co-operation in education, aiming at new horizons

We live in a world driven by increasing uncertainty. There are unprecedented challenges as well as opportunities before us. Clearly, global cooperation in education, adoption of best practices across borders and innovative approaches will be an urgent necessity so that students of today are skilled and empowered in every academic professional discipline in order that they may become lifelong learners and contribute meaningfully to a better world of tomorrow even as they achieve successful employable careers for themselves.

In this context, the partnership of the esteemed CIRPS with its consortium of Italian high-ranking Universities supported by IEP Italy, is a timely initiative which holds great promise for the future.

As a former diplomat who has dealt with a myriad of countries and international organisations for many years in different capacities, I have strongly come to believe that this partnership can jointly make a significant contribution to improving the quality of education by harnessing the talent, experience, and empathetic vision that they share for inclusive development, sustainable development, prosperity, and peace in the world.

Through the accord between IEP and CIRPS, international students will have the unique opportunity of combining study in Italy with regeneration of hamlets and towns and with the flavours of cities of history, science, creativity, art, and culture. All courses aim to assist in the process of glocal contribution to take maximum advantage of humankind's huge strides in science and technology, agriculture, energy, circular and digital economy, farm to fork supply chains, and practical options towards climate sustainability.

I hope that full advantage will be taken by students internationally, including the Global South, of this unique opportunity which combines the need to address global challenges with skill development, present and future competencies, and employability to the maximum possible extent. ■

Ambassador KV Rajan
Hon President of IEP Italy
Author and Editor of the internationally best-selling and acclaimed book:
The Ambassador's Club.

IEP Italy mission statement

IEP Italy aims to make partnerships, market and sign deeds, conventions, pacts and activate any other legal transaction for the internationalisation of education at all levels; open and support educational, training and work campuses in Italy and abroad provide educational, didactic and management support online as well as in-presence both in Italy and abroad; carry out recruitment, registration and enrolment assistance for course participants in Italy and abroad; establish advanced education campuses in Italy and abroad; offer internships and apprenticeships independently or with national and international partners organise events related to training, internationalisation of work / education and culture for both national and international clients; manage courses, programmes, colleges, residences and other auxiliary infrastructures (including online) for international training and employment both nationally and internationally; develop new courses for national and international groups in the field of education with a focus on the green-blue economy; act as a representative of registered educational institutions at European, international and global levels to provide turnkey projects on the internationalisation of education, the world of work and information/ digital systems; to develop and manage Bridge partnering with and on behalf of associations, institutions, trade unions and other legally recognised entities at national and international level in the field of education and work. ►

Key objectives of IEP Italy

1. The protection and enhancement of cultural, artistic, historical and architectural heritage
The lesson of ancient civilisations and innovations for villages, towns, and sustainable cities in the Mediterranean - the new scenarios of conscious, experiential, and sensory tourism - the Economy of Beauty

2. Environment knowledge of environmental heritage
The protection of marine and river habitats - enhancement of the landscape - Smart Parks - technical and technological innovations for habitats', such as coasts and river basins - motorways of the sea - landing places and port cities - sustainable mobility between land and sea - Green and Blue Economy and the full recognition and cognisance of the United Nations SDGs.

3. Human values: the thought of man in the 21st century
The history of philosophy and contemporary visions - the transformation of values and the theme of identities – the 'roots and wings' of Mediterranean civilizations – the Humanistic Economy. In this regard IEP is working with several national and international partners such as: Ascame – Umar – Ride Aps – Anna Lindh Foundation – Medpan – Wista Med International – Megara Challenge – Aiccre – Assocamerestero- Assafrica – Assonautica Euromed – Mucem – Unesco, World Ocean Council.

Companies, bodies and interested organisations, embassies, research bodies, Italian and International and local public bodies, cultural associations and business networks, banking foundations, virtuous and social companies, national and international social and environmental sponsors. Key figures in our progress have been the Ministry of Cultural Heritage, Ministry of the Environment, Ministry of Foreign Affairs and International Cooperation, Ministry of Labour and Tourism, Ministry of Infrastructure and Transport, Ministry of Economic Development and the Ministry of Agriculture, the Regional Government of Abruzzo, Italy.

IEP Italy advisory board

Enrico Molinaro
Secretary General of the Italian Network for the Euro-Mediterranean Dialogue (RIDE), Head of the Anna Lindh Foundation (ALF) in Italy

Dr. Pietrangelo Pettenò
Director of MARCO POLO Eurasia network, expert of cooperation projects in the EuroMed area
– Venice, Italy

Prof. Martin Nkafu Nkemnkia
Philosopher and theologian, President of the NCDEIF Foundation
– Rome, Italy

Dr. Amin Nehme
Director, Lebanese Development Network (LDN)
– Lebanon

Dr. Vasileios Laopodis
President of Culturepolis
– Corfù, Greece

Dr Devendra Pathak
Prof. Emeritus MA, MBA, AMT, PGDSE, CAIIB, PhD (USA) – FURE, Foundation for research and education
– Academy of Management Education

Paul Holthus
Founding President & CEO of the WOC (World Ocean Council)
– USA

Luiza Hoxhaj
Director of CRLDS (Center for Regional and Local Development Studies)
– Albania

Prof. Dr. Hamdy El Sethouy
Cairo Architecture University
– Egypt

Dr. Ben Tili Larbi
President of Megara Association of Sustainable Smart Cities
– Atcogen, Tunisia

Dr. Bejczy Delinke
Director of the Westpannon Team
– Hungary

Dr. Eddie Mutebi
Director of the Union of Community Development Volunteers (UCDV)
– Uganda

Prof. Luca Di Biase
PhD in Urban and Regional Planning
– São Paulo University
and World Bank Expert
– São Paulo, Brazil

Dr. Sladan Topuzovic
expert of cross-border projects in the EuroMed area and in the Adriatic & Ionian Macroregion
– Mostar, Bosnia-Herzegovina

Luís Roby
Grupo ÉRRE Board Member, Co-founded LRB, ÉRRE Technology, ÉRRE Design & Editorial, U Rock and Supply IT, now form Grupo ÉRRE. Vice-President for Sustainability and Energy Transition of the AEMinho ▪

Application & registration procedures

How to apply for Admission at IEP Italy: please email these documents directly to admissions@iep.edu.eu or Apply Online and submit the documents directly via IEP Italy's online portal:

- **IEP Application form**
- **Applicants CV**
- **Passport copy**
- **Educational documents**
- **Work experience letter**

The above documents are generally required for the first stage of the application procedure.

Once the required documents are received, it will go through the assessment and verification procedures and where applicable an interview will be conducted to ascertain applicants' ability and intention to follow the programme. Successful applicants will receive conditional offer letters issued by IEP Italy. The Offer letter will contain the details of the programme of study, the course start date, the course end date, the name of the University awarding the certification, IEP campus location and address, fee details, payment conditions etc.

Once an offer is secured then applicants should proceed to the second stage of the applications where they are asked to provide proof of fee payment, declaration of value issued by the Italian consulate, proof of funds and other visa support documents as mentioned below.

Required documentation for official registration of students

- **Original pre-enrolment application to be submitted in two copies. The pre-enrolment application must be submitted through the Italian diplomatic or consular representation in your country. Please check the application submission deadline on the website of the competent Italian foreign mission in your country.**
- **Original High school diploma or a copy officially accompanied by a translation in Italian, officially legalised by the nearest Italian consulate/mission.**
- **Declaration of value (Dichiarazione di Valore). The Declaration of Value certifies the validity of your Diploma and that you are entitled to enter University. This document is issued by the Italian Diplomatic Representative related to the high school degree.**
- **Proof of academic eligibility for university study in the country of origin (check recognition of qualifications).**
- **Two photographs, one of which is authenticated by the competent Italian diplomatic/consular representation.**
- **English language certificates or similar evidence of the level of English language (School, College, University, Language school)**
- **You must provide a copy of a bachelor's degree or post-secondary diploma from universities or institutions of higher education, officially certified by the Italian diplomatic consular representation. (validation). Uni-Italia Office is available in many countries for support and guidance. Please visit the following web page: www.uni-italia.net ►**

Documents checklist for visa applications

Non-EU citizens must apply for a student visa at the Italian Consulate of their jurisdiction.

- **Entry visa application form; http://vistoperitalia.esteri.it/Moduli/it/Formulario Visto Nazionale.pdf**
- **Recent passport-size photograph.**
- **Travel document valid for at least three months after visa.**
- **Enrolment or pre-enrolment in a university course.**
- **Proof that you have accommodation in Italy.**
- **Proof that you have financial support (at least € 467,65 per month for the academic year, a total of € 6.079,45 per year).**
- **Adequate insurance coverage for medical treatment and hospitalization.**
- **Proof of the availability of the financial means needed for repatriation.**
- **Proof of adequate knowledge of English according to the language of the programme.**
- **If the student is a minor, he/she must have the consent of expatriation signed by each of the parental authorities, or in their absence, by the legal guardian.**

For further information, please refer to the regulation of the Ministry of University and Research on "Procedures for entry, stay, registration of international students and the related recognition of qualifications for Higher Education courses in Italy" (https://www.studiare-in-italia.it/studentistranieri/), the Visa portal on the Italian Ministry of Foreign Affairs website https://www.studiare-in_italia.it/studentistranieri/) or the specific websites of the Diplomatic/Consular delegations in your country.

IEP Italy offers international students a new and creative experience of life in Italy to connect education, training, nature, and culture.

IEP Italy all-inclusive higher education package

- **Education and training include all tuition and registration fees.**
- **Affordable Housing solutions for students (The first three months of accommodation is included in the fees)**
- **Guided excursions throughout Italy - BORGHI PIU BELLI D'ITALIA (ART, HISTORY, Language, CULINARY ARTS, Sustainable Leisure activities, UN SDGs)**
- **Student welfare support**
- **Visa advice and guidance with dedicated legal assistance**
- **Free Italian language courses**
- **Internship for all graduate courses including a hands-on project.**
- **Presentation to regional, national, EU and international companies and institutions**
- **International exchanges**
- **Future career guidance and support**
- **Progression and dedicated routing to further studies (Graduate, professional, masters' doctoral) in Italy and the EU.**
- **Multi University Faculty**
- **Support for Medical/health/BANKING and transport services** ▪

IEP Italy academic programmes

Foundation programmes

Foundation diploma in economics, international relations, sustainability

Foundation diploma in digital and information technology

Foundation diploma in science and energy

Foundation diploma in agriculture and sustainability

Postgraduate programmes

Master in glocal sustainable development

Master in technical engineering: stirling machine technologies and applications

Master in science and technology for cultural and natural heritages

Master in international disaster management

Master in sustainability and world agricultural heritage

Master in municipal waste management

Master in bioenergy and environment

Master in geothermics and geothermal applications

Master in circular economy
Master in technologies on mobility and sustainable transport

Master in formulation, design and management of european and international projects

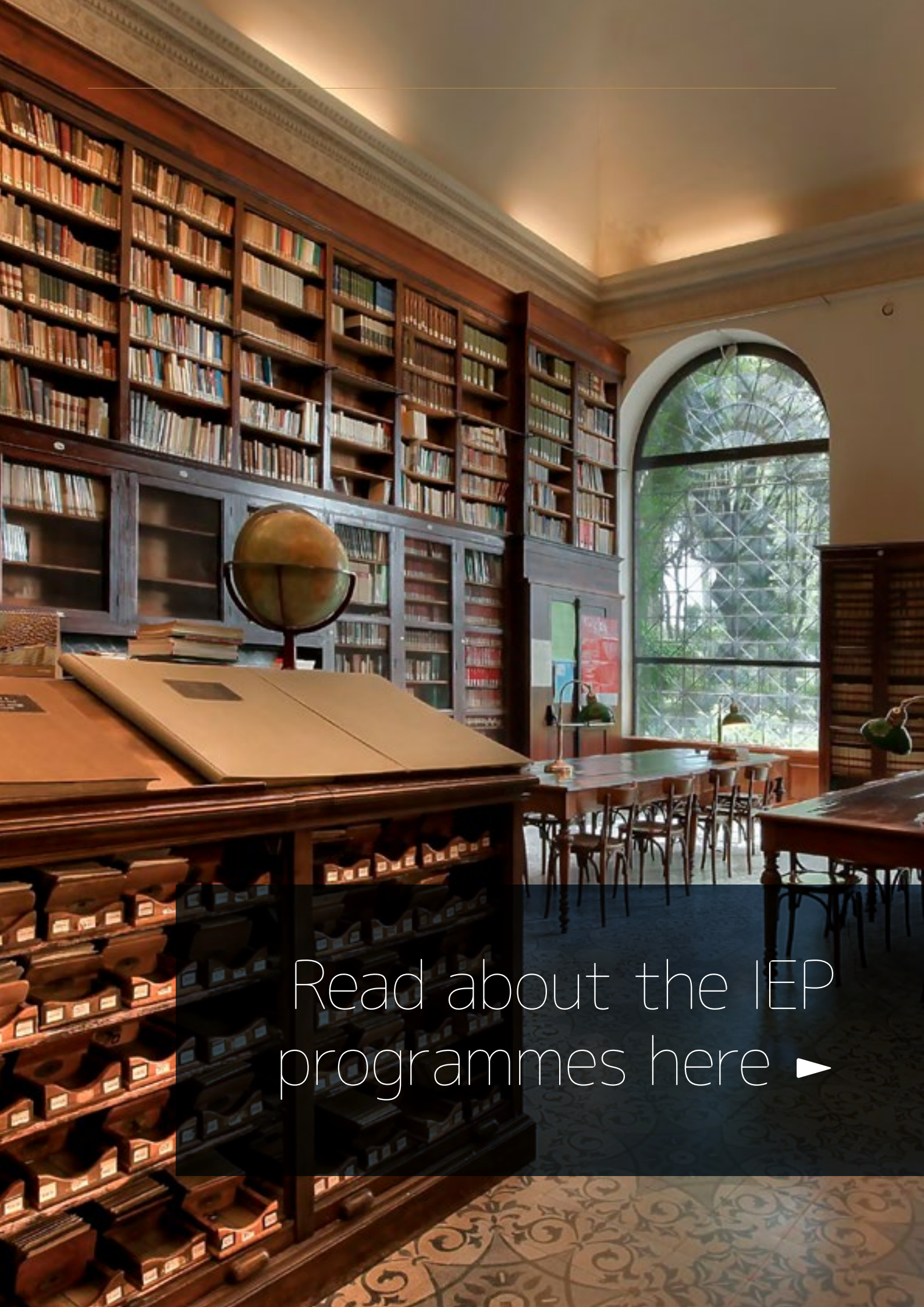
Master in agri-food chain in european and global markets

Master in new and conventional energies

Master in italian language and culture

Master in executive management

Master in public & business administration for sustainable development ▪


Read about the IEP
programmes here ►

Programme

Foundation diploma in economics, international relations, sustainability

60 credits

Course Co-ordinator

Roberto Ridolfi

Introduction

The current economic paradigm of factors of production plus innovation is not proving able to get the planet into sustainability. So, we need to evolve it. The labour market will have to adapt to offer appropriate skills and open possibilities for career and for research.

The SDGs and Agenda 2030 introduced a proxy and a suggestion for this new economy to develop and prosper: SDG compliance. How conversant are prospective bachelor's degree students with the new disciplines of sustainability?

The course aims to offer a broad range of skills and to build up capacities to face a variety of degrees and courses at the bachelor level (economics, engineering, natural science, agriculture, international relations political science).

In fact, this foundation course will enable perspective bachelor's degree students to engage with new jargons and new taxonomies related to Sustainability, international finance, investments, and the paradigms of the new emerging economic theory.

The paradigm of economic theory is shifting, and several issues are related to sustainability as a driver of climate change action, protection of biodiversity and sustainable management of natural capital. The fundamental issues of paying the costs of natural capital wasted or misused as well as used is paramount. So is the capacity to elaborate country and region-specific trade-offs between the complexity and sometimes the controversy around various targets and indicators of SDGs moving at the same time in different directions.

The financial issues related to this shifting paradigm become fundamental for the future of our planet. Essential notions related to finance and investments will be analysed and students will be able to navigate in the complexity of these subjects. For all this the capacities of people, experts and not, to handle the complexity of sustainable development will be crucial in the next twenty years of the history of this planet.

The module of five courses aims to offer a competitive basis for facing the challenges of smart motivated students in the fundamental critical issues of the third millennium such as measuring impacts within a shared framework and appreciating the geopolitics of Agenda 2030.

Course Outline

- **Mathematics/statistics/ economy/finance**
  8 credits
- **Entrepreneurs and managers of made in Italy**
  10 credits
- **Capacities for managing sustainable development**
  10 credits
- **Circular economy**
  10 credits
- **International cooperation project**
  10 credits
- **Municipal waste – integrated management**
  10 credits
- **Final test**
  2 credits
- **Italian language and culture course**
- **Course in academic reading/writing/research**

Duration

12 months ►

A multidisciplinary, pre-university course taught in English for international students.

To whom the foundation year is addressed

- **International students with less than 12 years of schooling who wish to enrol in a three-year degree course at an Italian university.**
- **All those who need to supplement their schooling with a view to enrolling in Italian/EU/GLOBAL universities.**
- **Admission Requirements**
- **To be admitted to the "Foundation Course", students must have a secondary school diploma and a certified knowledge of English. No entrance knowledge of the Italian language is assumed.**

Academic Progression

The foundation year is recognised by CIRPS universities as an entry requirement to their bachelor's degree.

Course Co-ordinator

Dr Roberto Ridolfi PhD, MBA, MSc
Dr Ridolfi is a strategic and impact investment advisor, blended finance and sustainability expert, lecturer at various Universities with over 37 years relevant experience since 1985 of which more than 23 at managerial level. Member of Fondazione ENI Enrico Mattei Scientific Advisory Board (FEEM-SAB). Associate Member of Centro Interuniversitario per la Ricerca per sviluppo Sostenibile (CIRPS). Special advisor at international centre for advanced Mediterranean agronomic studies (CIHEAM). Member of scientific committee of SFIDE (university UNITELMA Roma) and President of the network of International NGOs Link2007

He holds a PhD in A Technology from the Sapienza University (Rome), an MBA from the Open University (UK) and magna cum laude degree in engineering from the Sapienza University. Roberto speaks Italian (mother tongue) English and French and authors several articles and interviews in Italian and English.

Director at the European Commission for Sustainable Growth and Development, he has performed as chair of the Africa Infrastructure Investment FUND managed by European Investment Bank. As Director of the European Commission he has authored several policy actions and EU communications and regulations, implemented innovative initiatives on sustainable finance such as Electrifi, Agrifi, EDFI management company, chaired several investment committees with European Development Finance Institutions and EU Member States, and main author/ promoter of the first ever policy on private sector for development, the External Investment Plan of the EU in Africa with innovative guarantees linked to the SDGs via the European Fund for sustainable development (2013 up to 2017)

He had been Assistant-Director-General for Programme Support and Technical Cooperation and special Advisor to the DG, at the United Nations Food and Agriculture Organization (FAO) (2018 up to Sept 2020) where he launched AGRINVEST.
Twice Ambassador/ Head of delegation of the European Union: from 2005 to 2007 he served in Suva (Fiji), in charge of the relations of the EU with 15 Pacific countries and territories where strategy was on climate change diplomacy, 10 years ahead of COP21, in 2010 appointed in Uganda in the first batch of appointments by the newly created European Diplomatic service till September 2013. In Uganda, he set up the first equity fund for small agriculture investments.
As Head of Division at the EC he launched successfully new initiatives like the first ever Global fund of funds on renewable and energy efficiency (GEEREF) managed by the European Investment Fund (EIF-EIB) where he was Chairman of the investment committee
Joined the European Commission in 1994 and worked as resident development and economic advisor in several delegations of the Union, including Malawi, Namibia, and Kosovo where he was Head of Monitoring.
Throughout Accession negotiations (2001-2004), he was the Principal Coordinator dealing with Environment and Transport in Public-Private-Partnerships (PPP) editor of the Guidelines for successful PPP still available as the sole publication on the topic by the EC.

Extensive experiences in the field of blended finance, Finance for development, renewable Energy, Environment and Climate Change, Agriculture, Food security, Human development, external relations
He had important experience in the private sector before joining International Organisations as Marketing Director, Research and Development Director, Finance Director of SMEs. (1985-1994). ■

Programme

Foundation diploma in digital & information technology

60 credits

Course Co-ordinator

Vincenzo Vespri

Introduction

The topic of this course is the future. A future that is now very close, almost a present. Whoever manages not only to avoid undergoing the new technologies that will arrive in the next few years but to ride them, will face opportunities for professional and economic growth. In more detail, in this module, we will present digital revolution, new technologies on mobility and remote learning. These are issues that have and will have an increasing impact on the way of doing business, which will necessarily have to keep the environmental, social, and economic aspects together. In a word: sustainability.

The digital revolution has repercussions for the world of work, the economy, communication, social networks, teaching, health, agriculture, art... Do you want to stay out of it? Technologies and their potential are growing exponentially. Artificial Intelligence optimises predictive and cognitive algorithms. Taking advantage of this digital revolution and reaping its fruits by creating new market and job opportunities: this is what you will find in this course. Forty hours to touch the "new world" that concerns us all.

The mobility of the future must be sustainable. It is not only important, but it is necessary to reduce air pollution, noise pollution, road congestion, accidents, the degradation of urban areas, land consumption, and travel costs (both for the community and for the individual) generated by private vehicles. There is a need for a green economy in the mobility of people and things: cars, vans, trucks and buses produce over 70% of transport-related greenhouse gas emissions. It is necessary to train mobility professionals to create the conditions for a trend reversal.

The education of the future will be via Internet because it allows the possibility of studying without space and time limits. Learn wherever you are. One device is the internet, and we are connected to the world. Remote learning allows everyone to strengthen their knowledge. Thanks to its flexibility, you can choose when, where and how to learn by selecting the time and place. Maybe even after work. With real and wider networking opportunities.

This foundation course initiates University courses in economics, environmental engineering, mathematics, sustainability science, and political science. From the world of work to the roles of manager of sustainable development and international cooperation projects, urban hygiene company manager, and entrepreneur. ►

Course Outline

- **Information Technology/ Mathematics**
  10 credits
- **Entrepreneurs and managers of Made in Italy**
  12 credits
- **Digital transformation revolution and developing countries**
  12 credits
- **Remote learning**
  12 credits
- **Technologies on mobility and sustainable transport**
  12 credits
- **Final test**
  2 credits
- **Italian language and culture course**
- **Course in academic reading/writing/research ►**

Duration

1 year

A multidisciplinary, pre-university course taught in English for international students.

To whom the foundation year is addressed

- **International students with less than 12 years of schooling who wish to enrol in a three-year degree course at an Italian university.**
- **All those who need to supplement their schooling with a view to enrolling in Italian/EU/GLOBAL universities.**

Admission requirements
To be admitted to the "Foundation Course", students must have a secondary school diploma and a certified knowledge of English. No entrance knowledge of the Italian language is assumed.

Academic progression

The foundation year is recognised by CIRPS universities as an entry requirement to their Bachelor's degree.

Course Co-ordinator

Vincenzo Vespri is the author of about 140 scientific publications, concerning the existence and the regularity of solutions to nonlinear equations arising from Mathematical Physics and the application of Functional Analysis to evolution equations. In the last years, the research interests were directed also to Mathematical Models and to applications to Finance, Industrial Mathematics and Blockchains (Cryptography). He is extremely interested in the future technologies. In the last few years, he has had important institutional roles such as being the adviser to the Minister of Education for the enhancement of scientific and technological subjects and having been G7 and G20 sherpa for the Minister of University. ■

Programme

Foundation diploma in science & energy

60 credits

Course Co-ordinator

Giovanni Maria de Pratti

Introduction

At the present time, after a general development that seems to have been without control Mankind must analyse in a better and improved way its report with nature and the world. As said by JFK "All mankind is over this little planet and we are here for a short time" considering Albert Einstein's point of view whom "Energy is the real base of the existence of everything", we can say that it is important a policy of correct exploitation of energy source and control of environmental impact of the human activities.

But the rules of climate change in action suggest searching for a new policy in energy exploitation, particularly we ought to realise a great substitution of the old fossil energy sources with renewable ones.

Biomass and waste and wind energy sources exploitation may be capable to assure a more correct development to human activities on all over the world. So, sustainability and correct energy sources exploitation may be the keywords to assure a correct future for the present and future mankind "on this little planet"!

Addressing for the envisaged courses

The envisaged courses address users towards the areas of "Introduction to Energy Systems", e.g., in the field of Mechanical Environmental Engineering. They may also be useful in the field of Energy Management and the Economy of Energy Systems.

Course Outline

- **General Science**
  10 credits
- **Biomass for energy and fuel (bioenergy and environment)**
  2 credits
- **New and conventional energies (management and operations)**
  12 credits
- **Engineering geology**
  12 credits
- **Engineering geology**
  12 credits
- **Final test**
  2 credits
- **Italian language & culture course**
- **Course in academic reading/ writing/research**

Duration

12 months

A multidisciplinary, pre-university course taught in English for international students.

To whom the foundation year is addressed

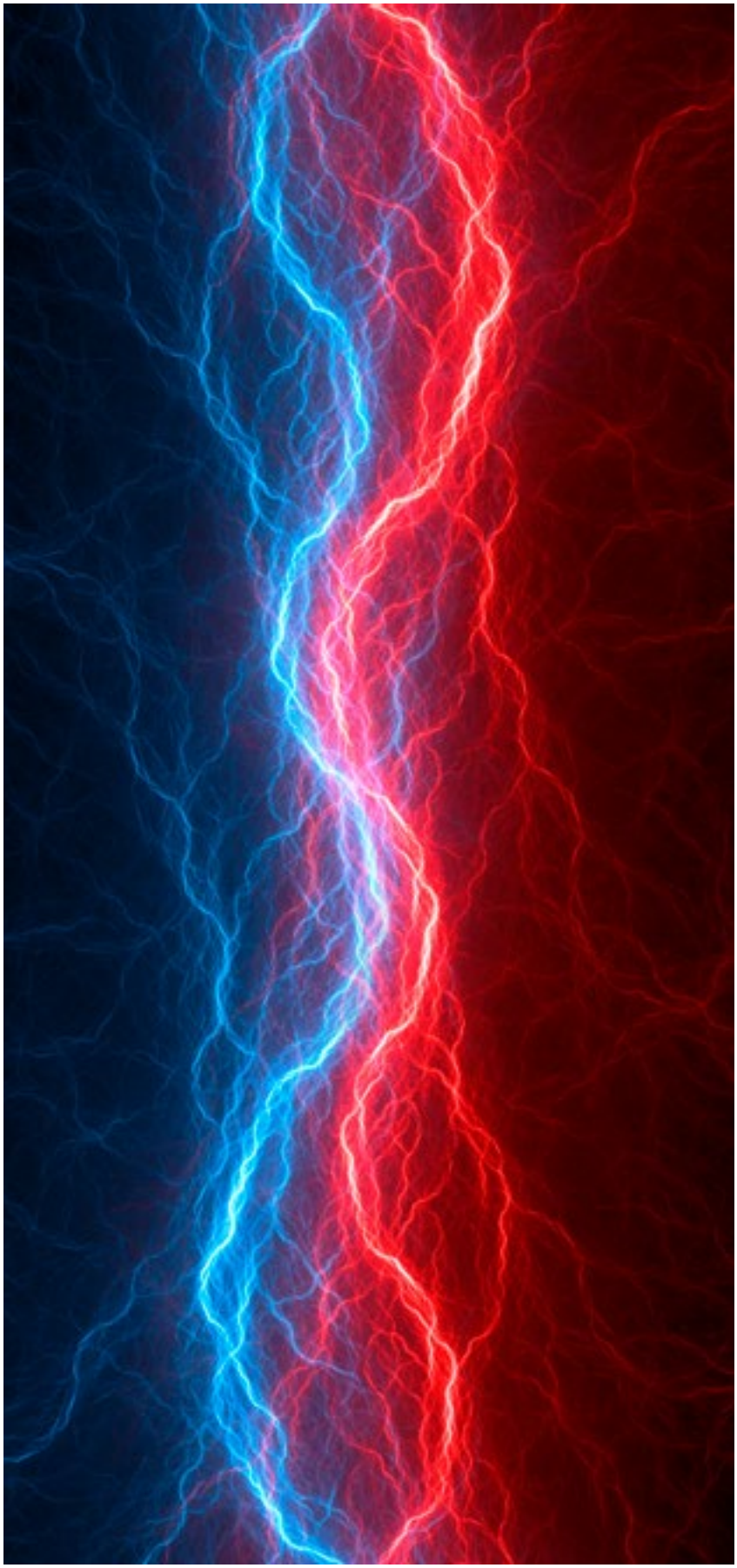
- **International students with less than 12 years of schooling who wish to enrol in a three-year degree course at an Italian university.**
- **All those who need to supplement their schooling with a view to enrolling in Italian/EU/GLOBAL universities.**

Admission requirements

To be admitted at the "Foundation Course", students must have a secondary school diploma and a certified knowledge of English. No entrance knowledge of the Italian language is assumed.

Academic Progression

The foundation year is recognised by CIRPS universities as an entry requirement to their Bachelor's degree. ►



Course co-ordinator

Giovanni Maria De Pratti is Mechanical engineer and PhD in Energetics and at the present time, after a long period as Contract Researcher in the same University is Contract Professor at "La Sapienza" University of Rome, where the role covered at first was the matters concerning of Technology of Materials, then of Machine Diagnosis and of Sanitary Solid waste management; at the present time he is professor about Energy Systems and Thermal Power Stations. He is Associate Member of CIRPS.

His academic research field is about aerodynamics and hydrodynamics of fluid machines and, particularly, of high-pressure compressors in Gas Turbines, of horizontal axis wind turbine rotor-blade or in the concern of hydraulic turbines in mini-hydro range of power.
He has deeply studied the assessment of environmental impact due to energy systems and, at the present time, he is carrying out a large experimental analysis of hydrodynamics characteristics of white shark.

As engineer consultant and designer, he has realised project about Wind farms for a global installed power value about 250 MW, biomass power plants about 10 MW and mini-hydro power plants about 15 MW, and in this field, he has designed two micro-hydro plants for remote applications, out of regional grid, in Ghurari District in India and in La Realidad Community in Mexico, Chiapas Regio.

In the past he has been Lieutenant Commander of Italian Artillery Section at The Italian School of Artillery as Observer Officer. Between 2000 and 2012 years he was Project Manager of an Engineering Consulting Society. He has several hobbies as photography, painting, theatre and as writer has published some stories and screenplays. ■

Programme

Foundation diploma in agriculture & sustainability

60 credits

Course Co-ordinator

Massimo Guerra

Introduction

The relationship between Homo and Nature begins with the search for food. As, on the other hand, it happens to all living beings (animals and plants). But a tree feed on enough minerals from the soil, a lion will only prey on what it needs, as will the shark. Homo is the only living being that fails to ensure food security and healthy eating for a growing global population (while about 14% of the food produced is lost between the harvest stage and retail sale and 17% of global food production goes to waste). Globalization constantly requires the drafting of internationally valid rules, both for the quality of food and on the methods of cultivation and breeding. Added to this are pressures on habitats (from the indiscriminate cutting of forests to the use of fossil fuel cars and the production of enormous quantities of waste) and on the atmosphere (agriculture is responsible for 21% of all anthropogenic gas emissions greenhouse, while deforestation accounts for a further 11%).

Conserving natural resources, cultivating by combining historical knowledge with new technologies, not wasting the energy contained in biomass, knowing the rules that regulate food production processes, reducing the production and dangerousness of waste: it is in these areas that the course provides scientific notions and detailed information that allow students to understand and face these challenges, with the tools that the science of sustainability can put in place to equally satisfy the social, economic and environmental aspects of each Homo intervention.

This Foundation course leads to university courses in law, environmental engineering, energy engineering, agriculture, ecology, biology. For the world of work, not only but above all, to the roles of agricultural technician, urban hygiene company manager, biological technician, food chain manager.

Course Outline:

- **Biology/chemistry**
  8 credits
- **Rules, standards, techniques of the agri-food chain in european and global markets**
  10 credits
- **Sustainability and world agricultural heritage systems**
  10 credits
- **Municipal waste – integrated management**
  10 credits
- **Biomass to energy and fuel (bioenergy and environment)**
  10 credits
- **Basic knowledge and technologies for natural resource conservation**
  10 credits
- **Final test**
  2 credits
- **Italian language & culture course**
- **Course in academic reading/writing/research**

Duration

12 months

A multidisciplinary, pre-university course taught in English for international students. ►

To whom the foundation

year is addressed

International students with less than 12 years of schooling who wish to enrol in a three-year degree course at an Italian university.

All those who need to supplement their schooling with a view to enrolling in Italian/EU/GLOBAL universities.

Admission requirements

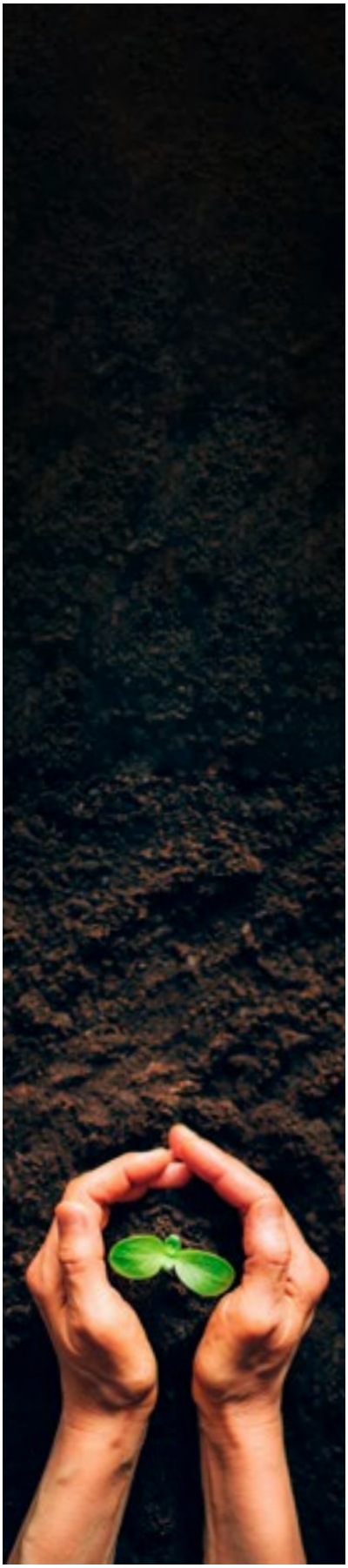
To be admitted at the “Foundation Course”, students must have a secondary school diploma and a certified knowledge of English. No entrance knowledge of the Italian language is assumed.

Academic Progression

The foundation year is recognised by CIRPS universities as an entry requirement to their Bachelor’s degree.

Course Coordinator

Massimo Guerra has been dealing with environmental issues for thirty years, since he published "Riciclo Riciclo" (Recycle Recycle) in 1993, a manual on waste recovery practices, and "L'ambiente in bolletta" (The environment on the bill) in 1994, a manual on saving actions energetic. He was director of the National Observatory on Waste, consultant of the Commission of Inquiry of the Parliament on the illicit trafficking of waste, consultant of the Waste Unit of DG11 of the European Commission, coordinator, on behalf of Italian minister of environment, of waste management and landfill building projects in Albania and Kosovo; he developed research projects on sustainability issues (recovery of wood waste, sustainable practices in the fish supply chain, sustainable agriculture in Tunisia, household waste management, sustainable mobility of waste, etc.), managed the Colleferro (a village 40km far from Rome) waste-to-energy plant, realised intermodal waste transport projects; he provided assistance to some Italian Municipalities on the issues of integrated urban waste management, and accumulated dozens and dozens of hours of lessons on circular economy, waste management, environmental pressure. Graduated with a thesis in cultural anthropology, for some years he is coordinator of the section “waste, water and environment for a sustainable society" of CIRPS. ▪



Programme

Master in glocal sustainable development

Course Coordinator

Professor Andrea Amato

Concept/Mission

The Course aims to combine the needs and the economic and social culture of a global society with those of the local realities in which operators increasingly find themselves acting. Everything is increasingly necessarily conditioned by the criteria and dictates of sustainability (joining economic, environmental, and social requirements), of a genuinely sustainable development and, consequently by the new forms of the circular economy. The Course can benefit both the professionalism of economic operators, private or public, and those belonging to Administrations and Institutions at all levels, from the small economic and geographical scale, up to multinational and international realities.

Duration

12 months

As every Professional Master's programme, the Course lasts 1.500 hours/year, of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage and didactic programme:
In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors. The individual work, the stage, mainly as internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Sustainability Principles/Policies**
  16 credits
- **Economic Sustainability**
  10 credits
- **Social Sustainability**
  16 credits
- **Research Methods for Sustainability**
  8 credits
- **Environmental Sustainability**
  10 credits
- **Total credits**
  60 credits

Admission requirements

- **CV required**
- **A Bachelor's degree, preferably in social, economic, juridical, political sciences – other first degrees or equivalent qualifications will be evaluated for entry**

Career Progression

The intertwining of academic analysis and practical engagement will provide a valuable range of well-rounded skills and experiences to prepare active and informed graduates. These will be able to operate at strategic levels in enterprises, corporations, consulting companies, national agencies, universities, municipalities and other public bodies and administrations, public and private bodies for city planning, heritage and research, NGOs and third-sector agencies, local economic development organizations, International Organizations and Agencies. ►

Course Coordinator:

He is professor at the Master "Development Cooperation" of CIRPS at Rome University "La Sapienza". Since 1993 Andrea Amato has been President of the Mediterranean Institute (IMED). He has, ever since its establishment, ensued the Euro-Mediterranean Partnership, critically enriching the political debate and actively contributing to the implementation of its regional dimension. In this framework, he has promoted different initiatives in the fields of strengthening the role of civil society (IMED coordinated the EuroMed Civil Society Programme of the European Commission), women's rights and gender equality (namely in the Maghreb Countries), and the Euro-Mediterranean Social Space and Social Dialogue. With regards to the latter, IMED organised the Tripartite Conference in 1996 and the first Forum of the Euro-Mediterranean Social Dialogue in 2004. He has been a member of the Group of Experts of the European Commission that prepared the Report "Foresight on the long-term challenges for the Mediterranean area" (published in May 2011). 2007: member of the International Expert Group, gathered at the "Institute de la Méditerranée" of Marseille, that elaborated an Opinion on the Mediterranean Union proposed by President Sarkozy. He is one of the founders of the FEMISE Network (Euro-Mediterranean Forum of Economic Institutes) and of the EuroMed Non-Governmental Platform He also coordinated the Italian Platform of Euro-Mediterranean Civil Society. From 1982 to 1994, he was a member of the European Economic and Social Committee, where he was rapporteur in the fields of international policy, regional policy, and migrations. From 1989 to 1994 he actively engaged in a change of EU's Mediterranean Policy, contributing through his Reports to the political debate that allowed the building of the Euro-Mediterranean Partnership. From 1977 to 1994 he was a National Executive of CGIL (Italian General Confederation of Labour). ■

Programme

Master in technical engineering: Stirling machine technologies & applications

Course Co-ordinator

Prof. Vincenzo Naso

Concept/mission

The Master in "Technical Engineering: Stirling Machine Technologies and Applications" is a Master on Engineering. It deals with both the Stirling engine (power production) and machine (refrigerators, cryocoolers and others). That is why - as a unique example in thermodynamics - "Stirling machine" indicates both applications. Thus, the Course will concern the theoretical and technological aspects, fundamental for the design and running of Stirling engines and machines (refrigerators and cryocoolers) with respect to different applications of such an external combustion machine. The Master is designed to provide engineers with enhanced knowledge and skills on this technology and thereby indirectly contribute to meeting the ambitious target of sustainable development and renewable energies, green energy vectors and sustainable end uses of energy.

Duration

12 months

As every Professional Master's programme, the Course lasts 1.500 hours/year;
of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage and didactic programme
In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

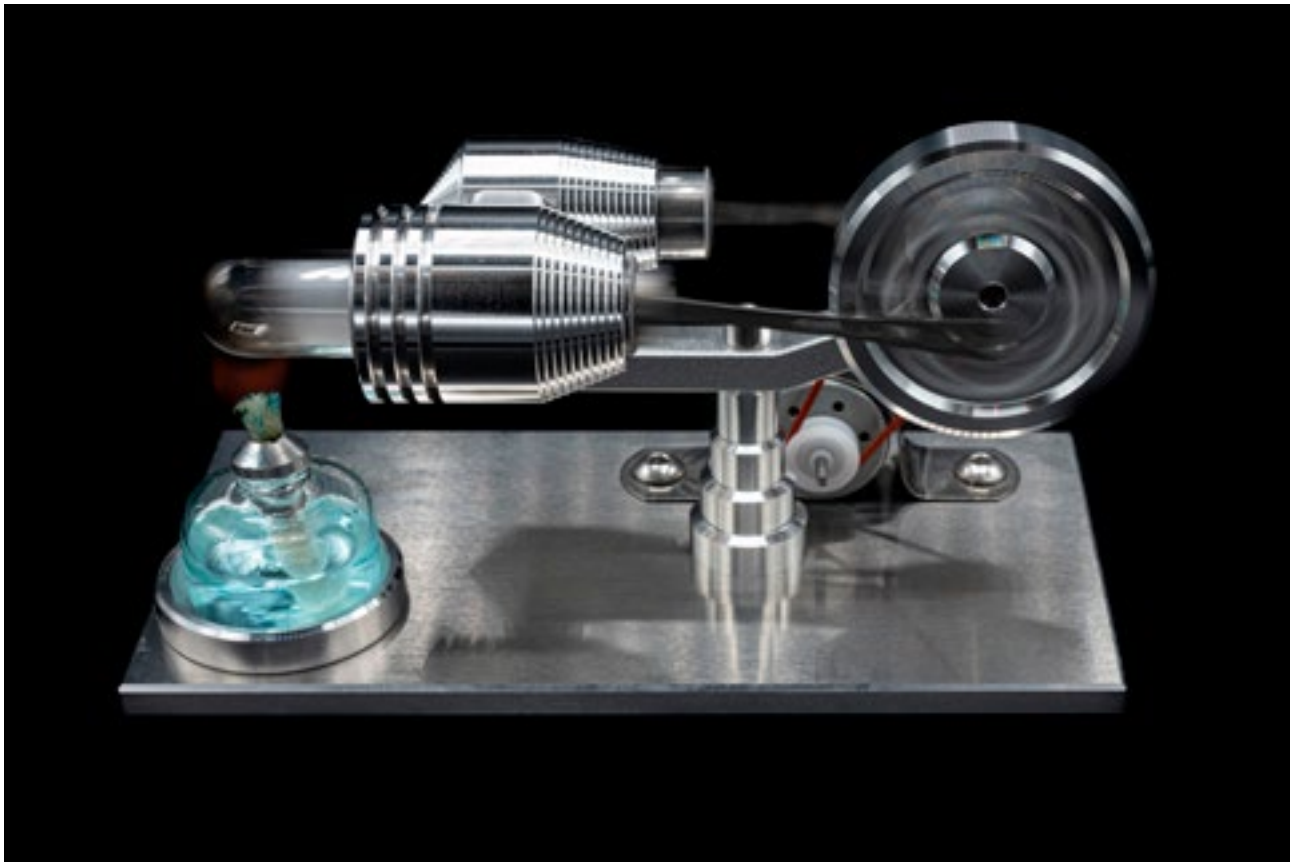
The individual work, the stage, mainly as internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Basic concepts**
  6 credits
- **Energy market and economics**
  4 credits
- **Design of a stirling engine**
  9 credits
- **Material and manufacturing**
  6 credits
- **Stirling engine for power production**
  7 credits
- **Stirling machine for refrigeration and cryocooling (module 1)**
  6 credits
- **Stirling machine for cryogenics (module 2)**
  2 credits

OTHER ACTIVITIES

- **Internship/Stage**
  10 credits
- **Preparation and Final Dissertation**
  10 credits
- **Total credits**
  60 credits ►



Admission requirements

- **A detailed CV/Resume**
- **Bachelor/Master Degree in Industrial or Mechanical Engineering, Applied Physics, Thermodynamics, Applied technological sciences or equivalent.**

Career Progression

Engineers with expertise in Stirling machine technology may be employed in:

- **Enterprises operating both in developing and developed countries in many fields (aerospace, biomedicine, energy, other areas)**
- **Research centres**
- **International Organizations, public Institutions**
- **National and international non-governmental (NGOs) and other not-for-profit organizations.**

Course Co-ordinator

From 1986 Full professor of Sistemi energetici (Energy Conversion Systems) at Faculty of Engineering of Sapienza University (Rome) ; 1972 - 1986 Associate Professor of Macchine e Macchine Speciali (Engines and Advanced Engines) at Faculty of Engineering of Ancona University (1972-78) and Faculty of Engineering of the Sapienza University (1978-86) ; 1969 - 1972 Assistant Professor at Sapienza University (Rome); from 2016 Full Professor of Sistemi energetici (Energy Conversion Systems) at eCAMPUS University, Novedrate-Como.

President of the Interuniversity Research Centre for Sustainable Development (CIRPS); General (National) President of Associazione Termotecnica Italiana; Honorary Former President of ISES ITALIA, the Italian Section of the International Solar Energy Society; Dean of 3 Master Courses and 1 International Master Course on Energy Management, Environmental Impact and Sustainable Development; Director of a Ph. D. Course on Clean Energy Technologies and a Ph.D. Course on International Sustainable Cooperation; Energy Manager (Consultant) of several Metropolitan Cities, Municipalities, Companies, Industries and Public Institutions as Universities, Hospitals, Schools. Advisor of Italian Ministries of Environment,
Industry and Energy, University and Research. Expert for European Commission
Programs (Thermie, VI and VII FP). ■

Programme

Master in science and technology for cultural and natural heritages

Course Co-ordinator

Prof. Claudio Margottini

Concept/Mission

The interest for the study, the protection and the enhancement of monuments and artefacts as well as natural heritages and geoparks, enjoyed and increasing favour in the last years. The damages suffered by antiquities in countries like Syria and Iraq brought under the spotlight of medias the urgency of cultural heritage protection. Similarly, what's happened to heritage in Turkey after the earthquake in 2023. That brought to the rising of more and more spread felling that makes conceive antiquities more like property of all human beings and not like exclusive possession of a single nation.

The necessity of hindering the threats against cultural and natural heritage also brought to an increasing in the need of professionals involved in all the aspects of investigation and conservation research. A broad knowledge of the most updated technics and methodologies is reputed a basic requirement to be hired to work on archaeological excavations, museums, and conservative works. Providing an update and general formation dealing with scientific and technological aspects of the study of antiquity the master intends to enhance the opportunities of candidates with different experience and preparation to find an employment on this field.

Duration

12 month

As every Professional Master's programme, the Course lasts 1.500 hours/year;
of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage & didactic programme

In the start-up phase of the course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Admission requirements

- **A detailed CV/Resume**
- **The Master course is addressed to all first-degree holders (or equivalent) and graduates and encourages participation of global students. All learners with a first degree or similar life/ education experience including lifelong learners/professionals are invited to apply. ►**

Career Progression

As a graduate, you will be a trained conservation scientist, a technical and scientific expert in the conservation of cultural heritage, so you will be ready to launch a career with both public and private organisations, regional, national, and international as well as businesses and laboratories specializing in restoration and conservation.

Possible career opportunities include

- **Museum technician**
- **Restorer**
- **Cultural consultant**
- **Restoration technology development**

Course Co-ordinator

Claudio Margottini (hab. full Professor of Engineering Geology) is the former Scientific and Technological Attaché at the Italia Embassy in Egypt and presently adjunct Professor at UNESCO Cha in the University of Florence (Italy at Galala University in Egypt and at National Research Institute for Astronomy and Geophysics (NRIAG) in Egypt. He has served at the Geological Survey of Italy (ISPRA) and, as adjunct Professor at Modena (Italy) University and Huazong University (Wuhan, China He is currently the President of International Association for Engineering Geology and the Environment (Italian National Grou

He is trained as an Engineering Geologist (University la Sapienza, Rome, Italy, 1979, summa cum laudae) and Engineering Seismolog (Imperial College of Science and Technology, London, UK, 1983).

Extensively supporting UNESCO ar other international organizations all his life long, his major field of expertise embraces the developme of engineering geological techniqu for the conservation and protecti of Cultural and Natural Heritages. With projects in 27 Countries worldwide, during his career, he received numerous honours and awards in recognition of his servic mainly in less advantageous count of the world.

He is the author of more than 35C publications and books. ▪

Programme

Master in international disaster management

Course Co-ordinator

Prof. Claudio Margottini

Concept/Mission

The Course is designed to provide postgraduate professionals with specific qualifications for operational management in Disaster Risk Reduction and Mitigation, and Disaster Preparedness and Response. It also provides participants with the professional know-how required for operational management of regional, national, and international projects, carried out by public, private and non-profit Organizations. The course will develop the articulation of the phases inherent in disaster management, from the assessment of risks and dangers to the identification of the necessary services and the categories most at risk; information gathering methods, definition of responsibilities and communication methods; definition of resources for mitigation and prevention works; the subsequent phases of response and rehabilitation, up to the planning of recovery.

Duration

12 months

As every Professional Master's programme, the Course lasts 1.500 hours/year;
of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage and didactic programme:

In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Disasters**
  10 credits
- **Crisis Prevention**
  10 credits
- **Emergency Response**
  11 credits
- **Post-Disaster**
  11 credits

OTHER ACTIVITIES:

- **Study Tours**
  6 credits
- **Internship or project work**
  6 credits
- **Final Dissertation**
  6 credits
- **TOTAL CREDITS**
  60 credits

Admission requirements

The course is addressed to the personnel of International Organizations, Civil Protection Agencies, NGOs, Military, Health Services, Rescue Services; specialised experts and professionals involved in disaster-related activities; first degree holders and post-graduate students willing to engage in aforesaid activities are welcome to apply. A detailed CV/Resume is also required. ►

Career Progression

As far as professional opportunities are concerned, a Disaster manager can work as an employee or as a consultant for entities such as the Civil Protection, crisis units, local authorities and private companies.

Course Co-ordinator

Claudio Margottini is Engineering Geology (Full Professor hab.). At the present he's Geological Survey of Italy (ISPRA), Senior scientist UNESCO, Chair on Prevention and sustainable management of geo-hydrological hazards at the University of Florence (Italy), adjunct Professor and founder Galala University (Egypt), adjunct Professor National Research Institute for Astronomy and Geophysics – NRIAG (Egypt), adjunct Professor.

Some his work experiences: Scientific and Technological Attaché, with Coordination and Development of Scientific and Technological activities between Italy and Egypt, for the Embassy of Italy in Cairo (Egypt); First researcher, with coordination and development of International Activities in ISPRA - Italian Institute for environmental protection and research, sector: Engineering geology and rock mechanic, Protection of Cultural Heritages from Natural Hazards, Landslides in rock material, Natural disasters, Geothermal energy; first researcher in ENEA – Italian Agency for New technology, Energy and Economic Sustainable Development in sector: Research, Development and Coordination of multidisciplinary projects in the field of climate change, Protection of Cultural Heritages from Natural Hazards, Rock mechanic, Engineering seismology; coordination and management of the ENEA Division dealing with siting and safety of critical infrastructures and power plants (including nuclear and cultural heritages), through paleoclimatology, earthquake engineering, natural disaster, Land use planning and management; research grant "Seismotectonic and historical seismicity of the Brasimone Nuclear Site (Central Italy)" in sector: safety and siting of Nuclear power plants, Responsibility of international scientific research projects, funded on the basis of competitive calls requiring peer review disaster and water. ■

Programme

Master in sustainability & world agricultural heritage

Course Co-ordinator

Prof. Stefano Grego

oncept/mission

Based on the three pillars of sustainability (ecological, social and economic) and addressing the five major components of Globally Important Agricultural Heritage Systems (namely: sustainable livelihood and food security, biodiversity and genetic resources, indigenous knowledge and local practices, culture and landscapes) the Master course is supported by a visionary group of scientists, professors, policy makers and practitioners, who believe in sustainable development, green economy and inter-generational responsibility.

They pledge for a future where humans and nature could live together in harmony and rural and urban development are integrated, traditional knowledge and modern technologies are blended, and food security and human development are promoted thanks to solidarity and cooperation between responsible citizens in developed and developing countries.

The Master's Programme is designed to provide postgraduate professionals with a background in natural, political, socio-cultural and economic sciences, interested in environment, agriculture, forestry, fisheries and rural development policies and practices.

Applicants will be capable of...

Understanding and assessing the impact of industrial agricultural production on the planet. Using new technologies on how to manage renewable energy, food, air and water more efficiently. Obtaining skills to understand and overcome the obstacles to sustainability. This will require enhanced scientific knowledge of agro-ecology, comprehension and conservation of traditional knowledge systems, interaction with civil society and be sensitive to the needs of the people, cooperation with the economic sector, and translating research into practice.

Using their knowledge of sustainability to preserve and mobilise the agricultural heritage of humanity.

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS.**

Academic credits

60 academic credits

Stage and didactic programme

In the start-up phase of the course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule. ►

Course Modules

- **Sustainability in the changing planet (50 hrs)**
  5 credits
- **Drivers of change and threats and pressures on the planet (50 hrs)**
  5 credits
- **The economic value and social impacts of the environmental goods and services (50 hrs)**
  5 credits
- **Agriculture and Agricultural Heritage System (50 hrs)**
  5 credits
- **Food Security and Sovereignty (50 hrs)**
  5 credits

OTHER ACTIVITIES:

- **Internship/Stage/Home studying activity**
  25 credits
- **Preparation & final dissertation**
  10 credits
- **Total credits**
  60 credits

Admission requirements

The Master course is addressed to graduates and encourages participation of students coming from New Extension Methodologies and Approaches (NEMA) and around the world. A detailed CV/Resume is also required.

Career Progression

Future for experts in Sustainability and World Agricultural Heritage Systems including posts in:

- **International Organizations such as FAO, IFAD, Biodiversity International Organisation, and others**
- **Middle East and North Africa professional markets**
- **Public Institutions concerned with Agriculture, Environment, Sustainable Development, Material and Immaterial/ Intangible Open Heritage Conservation and others**
- **National and International Non-Governmental (NGOs) and other not-for-profit organizations**
- **Regional, central and International Institutions and consortia including academia**
- **Enterprises operating in developing and developed countries.**

Course Coordinator

Stefano Grego, President Emeritus of European Society of New Methods in Agricultural Research (ESNA, 2017-2018), Vice President of the Agency for the Promotion of European Research (APRE, 2009-2012), Member of the Scientific Council of the Agency for the Promotion of European Research (APRE), Member of the Board of the Italian Society of Soil Science 2008-2014, Member of the Board of the Italian Society of Agricultural Chemistry 2008-2013, Vice President of Center for Research on Sustainable Development (CIRPS) 1988-Nowdays Founding Member of Association "Agronomes et Forestiers sans Frontieres" (AGROFOR), Founding Member of Association "Roman Forum", Member of International Union of Soil Societies (IUSS), Member of Italian Society of Agricultural Chemistry (SICA), Member of the Scientific Council of the Consortium of the Italian University for Argentina (CUIA), Member of the Council of Administration of the University of Agriculture and Veterinary Medicine of Cluj, Transilvania, RO, Founding Member and Chairman of the Scientific Committee of World Agricultural Heritage Foundation (WAHF) 2013-Nowdays Founding. 2001 to 2014: Deputy Rector for International cooperation; 2010 to 2011: Deputy Director of Department of Agrobiology and Agrochemistry, UNITUS; 2001 to 2008: Deputy Rector of University of Tuscia, Viterbo; 2000 to present: Full Professor on Agricultural Chemistry. Furthermore: Honorary Member of Senate University of Cluj, Romania; Gold Memorable Medal University of Nitra, Slovakia; Professor Honoris Causa University of Agricultural Sciences and Veterinary Medicine Craiova, Romania; Professor Honoris Causa University of Agricultural Sciences and Veterinary Medicine Iasi, Romania; Diploma de Honra Ministry of Education, Maputo, Mozambique. In 1968 got the degree in Agricultural Sciences in University of Perugia, Italy. ■

Programme

Master in municipal waste management

Course Coordinator

Prof. Massimo Guerra

Concept/mission

The Course offers an in-depth preparation in the field of municipal waste management, analysing the regulatory, management and ecological aspects from a sustainable perspective, based on the principles of circular economy, also through the financial instruments of impact investing.

Applicants will be able to

- **knowing and evaluating the complexity of the production of municipal waste and its management;**
- **contributing to the definition of policies and regulations aimed at creating a virtuous waste management system;**
- **formulating project proposals related to the project cycles, in the different phases;**
- **ensuring correct project management;**
- **interacting effectively with the actors involved in waste management activities.**

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits
60 academic credits

Stage and didactic programme

In the start-up phase of the course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors. The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Circular economy, impact investing**
  6 credits
- **The production of goods**
  6 credits
- **Waste: classification, obligations, European regulations**
  6 credits
- **Planning and management of integrated waste cycle**
  6 credits
- **The industrial waste management system**
  6 credits

OTHER ACTIVITIES:

- **Internship/Stage**
  20 credits
- **Preparation and Final Dissertation**
  10 credits
- **Total credits**
  60 credits ►

Admission requirements

The Master course is addressed to first degree holders (or equivalent qualifications) graduates and technical officials already operating in integrated management and circular economy including waste management activities. Lifelong learners are welcome. A detailed CV/ Resume is also required.

Career Progression

Future for experts in Municipal Waste Management including:

- **Municipal administrations**
- **Regional, central administrations**
- **Enterprises operating in waste management systems**
- **Enterprises operating in materials recycling sites**
- **Enterprises operating in energy recovery plants.**

Course Coordinator

Massimo Guerra has been dealing with environmental issues for thirty years, since he published "Riciclo Riciclo" (Recycling Recycling) in 1993, a manual on waste recovery practices, and "L'ambiente in bolletta" (The environment on the bill) in 1994, a manual on saving actions energetic. He was director of the National Observatory on Waste, consultant of the Commission of Inquiry of the Parliament on the illicit trafficking of waste, consultant of the Waste Unit of DG11 of the European Commission, coordinator, on behalf of Italian minister of environment, of waste management and landfill building projects in Albania and Kosovo.

He developed research projects on sustainability issues (recovery of wood waste, sustainable practices in the fish supply chain, sustainable agriculture in Tunisia, household waste management, sustainable mobility of waste, etc.), managed the Colleferro (a village 40km far from Rome) waste-to-energy plant, realised intermodal waste transport projects; he provided assistance to some Italian Municipalities on the issues of integrated urban waste management, and accumulated dozens and dozens of hours of lessons on circular economy, waste management, environmental pressure. Graduated with a thesis in cultural anthropology, for some years he is the coordinator of the section “waste, water and environment for a sustainable society" of CIRPS. ■

Programme

Master in bioenergy & environment

Course Coordinator

Prof. Maurizio De Lucia

Concept/mission

The main goal of the Master is to provide students with the professional skills required for private or public entities undertaking in bioenergy field, from the production process to the management of energy projects.

The Master covers all the specific aspects related to the conversion of biomass into a sustainable and environmentally friendly energy source, including the integration with other renewable energy sources. The knowledge of market, normative and legislation in environmental and bioenergy fields also play a key role in the biomass to energy management of projects on a Local, National or Global scale, and it is included as well within the Master programme.

The Master aims to provide students with the following competences, abilities, and skills:

- **In-depth knowledge of the biomass and raw material provision sources and routes, including agricultural and forestry practices as well as algae production methodologies.**
- **In-depth knowledge of waste to energy technologies and waste management.**
- **In-depth knowledge of biomass to energy chain issues, including logistics.**
- **In-depth knowledge of biomass to energy conversion technologies, and their fundamental thermochemical, biological, chemical, and other technological concepts.**
- **In-depth knowledge of the main biomass to energy plant typologies.**
- **In-depth knowledge of the chemistry basis of biofuel production, and related technologies from 1st generation to 4th generation biofuels.**
- **Advanced knowledge of the biorefinery concept, and of the routes for bioproducts production including bioplastics, biochemicals, soil amendments, building materials, pharmaceuticals etc.**
- **Advanced knowledge in the bio-based economy, market, and policy issues.**
- **Advanced knowledge in other energy conversion technologies (including renewable energy technologies "other" than biomass) and energy efficiency.**
- **Advanced knowledge of the legislative and support strategies to rule and foster renewable energy development, with a special focus on the bioenergy chain.**
- **Advanced Knowledge of Green Market strategies.**
- **Advanced knowledge of the environmental issues related to energy production, sustainability and Life Cycle Assessment concept and tools.**
- **Advanced knowledge in Secondary Pollution Control Issues related to biomass production and use.**
- **Advanced Knowledge of renewable electricity integration in the grid.**
- **Ability to develop and implement strategies to address major challenges in the biomass-to-energy chain.**
- **Ability to merge knowledge from multi-disciplinary fields to design, develop and assess new solutions for biomass to energy and bioproducts challenges.**
- **Ability to tackle issues in the design of biomass to energy and bioproducts conversion routes.** ►

Duration
12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits
60 academic credits

Stage and didactic programme

In the start-up phase of the course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Biomass Production**
  9 credits
- **Power Generation & System Analysis**
  7 credits
- **Renewable Energy & Bioenergy Generation**
  11 credits
- **Environment**
  9 credits
- **Business Management & Economy**
  9 credits

OTHER ACTIVITIES:

- **Traineeship/Internship**
  10 credits
- **Thesis preparation**
  5 credits
- **Total credits**
  60 credits

Admission requirements

Due to the highly multidisciplinary programme, the course is open to holders of a Bachelor's degree in technical and scientific topics, such as Engineering (Mechanical Engineering, Chemical Engineering, Environmental engineering, Energy Engineering, etc.), Environmental Sciences, Agricultural and Forestry Science, Chemistry, Biology, and Biotechnology. Other degree/equivalent qualification holders in similar or adjacent areas are welcome to apply. A detailed CV/ Resume is also required.

Career Progression

The skills obtained with the Master's programme are suitable for Industries, Companies and Public Administration, including Departments of Environment Politics, National or International Energy Agencies, NGOs and International organisations such as the EU, the World Bank, the African Union, SADC, OAS, and ASEAN.

Course Coordinator

Graduated with Honours in Mechanical Engineering and PhD in Energetics, Maurizio De Lucia is a Full Professor at the University of Florence; coordinator of the PhD Industrial Engineering (formerly Energetics and Innovative Technologies) (since 2000); coordinator of the National Alliance (ex PTI) "Concentrated Solar" (MIUR 2012); Expert & Reviewer for EU and Ministries, chair and member of various national & international committees; coordinator (research group) mainly in the field of:

- **Modelling, design, development and testing of solar systems, Solar Cooling and Solar Heating &Cooling (SHC) systems, Absorption machines (H2O-NH3), PTC concentrators (for CSP, Heating, DSG –direct Steam Generation)**
- **Modelling, design, and development of CVP and CPV/T Concentrated Photovoltaic systems**
- **Development of sensors and control systems for distributed micro-generation energy systems** ▪

Programme

Master in geothermics & geothermal applications

Course Coordinator

Prof. Enrico Pandeli

Concept/mission:

Human activities and their development cannot leave aside the direct or indirect and efficient use of energy. The energy sources that, to date, we can use, with the only exceptions represented by geothermal and nuclear energy, originate from the sun (solar, wind, biomass and fossil fuels, etc.). It is important to underline that geothermal energy is available 24 hours on 24 hours respect to other renewable sources. Geothermal energy was and is utilised for a lot of applications in human life. In the past time its most common use was for health and thermal baths. Today we have the possibility to exploit it for numerous applications: from the production of electric energy to the air conditioning (geothermal heat pumps and district conditioning for heating, but also for cooling, the buildings) and others (see below) in relationship to the enthalpy of the resource. For finding and analysing the eventual geothermal resource at depth (e.g. geothermal fluids in a reservoir, heat of the surrounding rocks), the researches pass through different stages including geological, hydro-geological, geochemical, geophysical studies that allow the location of a drilling. In the case of positive results, the modelling of the geothermal system and its exploitation (e.g. building of geo-thermoelectric power plants) take place. The monitoring of the environmental impact during the drilling and exploitation of the resource is needed to avoid possible pollution risks that today can be reduced to zero through appropriate technologies. Finally, a lot of geothermal applications are today possible also for fluids below 90°C (e.g. food processing, breeding, aquaculture, desalination of marine water) or for recovering/storing the heat directly from/in the rocks of the underground through appropriate exchangers (e.g. geothermal heat pumps).

The course is designed to provide postgraduate professionals with specific qualification for operational management in Renewable Resources related to Geothermic. The course will give skills for exploitation of geothermal energy of any enthalpy for numerous uses of human life.

Duration

12 months

As every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage and didactic programme

In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors. ►

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Introduction to geothermics**
  10 credits
- **Geothermal exploration**
  10 credits
- **Geothermoelectric generation**
  11 credits
- **Contents: Low-enthalpy applications**
  11 credits

OTHER ACTIVITIES:

- **Study Tours**
  6 credits
- **Internship or project work**
  6 credits
- **Final Dissertation**
  6 credits
- **Total credits**
  60 credits

Admission requirements

Candidates with an adequate level of English language knowledge may participate in the Master's programme if they are holders of any first degree or similar qualification. In most cases, the Bachelor's degree is an academic title which allows access to this Master, post-graduate students willing to engage in aforesaid activities are welcome to apply. A detailed CV/ Resume is also required.

Career Progression

The need for interdisciplinary geoscientists and experts who can oversee and apply interdisciplinary relationships and decision-making processes in the exploration, economic development and sustainable use of geo-energy resources is increasing.

The course aims to train current and future personnel of International Organizations, Energy Agencies; specialised experts and professionals involved in Renewable Energies activities.

Course Coordinator

He began his activity in 1981 at the ENEL (National Electricity Board) as a geologist and was assigned to the National Geothermal Unit of Pisa where he was responsible for the stratigraphic-petrographic control, geophysical prospecting in the well and the activities of drilling and geothermal surveys in Tuscany and in northern Latium and in East Africa (Djibouti, Ethiopia).

From 1990, he moved to the Department of Earth Sciences of the University of Florence where he carried out teaching (courses in Geology, Regional Geology and Geothermics) and scientific activities an as Associate Professor. Since 2012 he is also Adjunct Professor of Geothermics at HUST University (Huazhong University of Science and Technology) in Wuhan, Hubei (China). He is an Associate Professor of the Florence Section of the of Geosciences and Georesources-IGG Institute of CNR (Pisa). He is one of the founding members of the non-profit association GIGA (Informal Group for Geothermics and the Environment) of Florence and a founding member of the Italian Geothermal Platform (National technological-scientific organ for geothermal research and its uses) and of the FREE Coordination Group (Coordination of Renewable Sources and Energy Efficiency) with offices in Rome. He is also a consultant and scientific collaborator for the geological and geothermal activities in Italian public authorities and private companies. Finally, he joined the National Geological Cartography Project (CARG) for the National Geological Survey-ISPRA in the role of Analyst-Detector, Scientific Coordinator and Survey Director. ■

Programme

Master in circular economy

Course Co-ordinator

Prof. Massimo Guerra

Concept/mission:

Circular economy defines an economy designed to be able to regenerate itself, starting from a new concept of design products and an integrated management of waste, to avoid the use of new materials and to save energy. According to the Ellen MacArthur Foundation, in a circular economy, the flows of materials are of two types: the biological ones, capable of being reintegrated into the biosphere, and the technical ones, destined to be revalued without entering the biosphere. The circular economy has a lot to do with sustainable development, understood as "the process of change such that the exploitation of resources, the direction of investments, the orientation of technological development and institutional changes are made consistent with future needs as well as with the current ones "(WCED, Our Common Future).

The course aims to offer learners a well-structured and original product, based primarily on a technical and vertical approach that allows up-to-date knowledge of the most innovative technologies in the industry as well as a practical understanding of relevant market trends. The Master offers, in fact, the necessary tools to understand, research further and become protagonists of the great technological and cultural transformations at the core of circular economy.

Duration

12 months

As every Professional Master's programme, the Course lasts 1.500 hours/year, of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/applied research/ internship opportunities**
- **400 thesis and exams**
- **residual: SEMINARS.**

Academic credits

60 academic credits

Stage and didactic programme

In the start-up phase of the course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to formulate a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by academics, experts, and tutors. The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **History, concepts, definitions**
  10 credits
- **Logistic and infrastructural problems, Risk assessment & management**
  10 credits
- **Energy and multimodal issues**
  12 credits
- **Security Management & Financial Management**
  10 credits

OTHER ACTIVITIES:

- **Study tours**
  6 credits
- **Internship or project work**
  6 credits
- **Final Dissertation**
  6 credits
- **Total credits**
  60 credits ►

Admission requirements

The Master course is addressed to all first-degree holders, graduates and encourages the participation of lifelong global students. All learners with a first degree or similar life/education experience including lifelong learners/professionals are invited to apply. A detailed CV/Resume is also required.

Career Progression

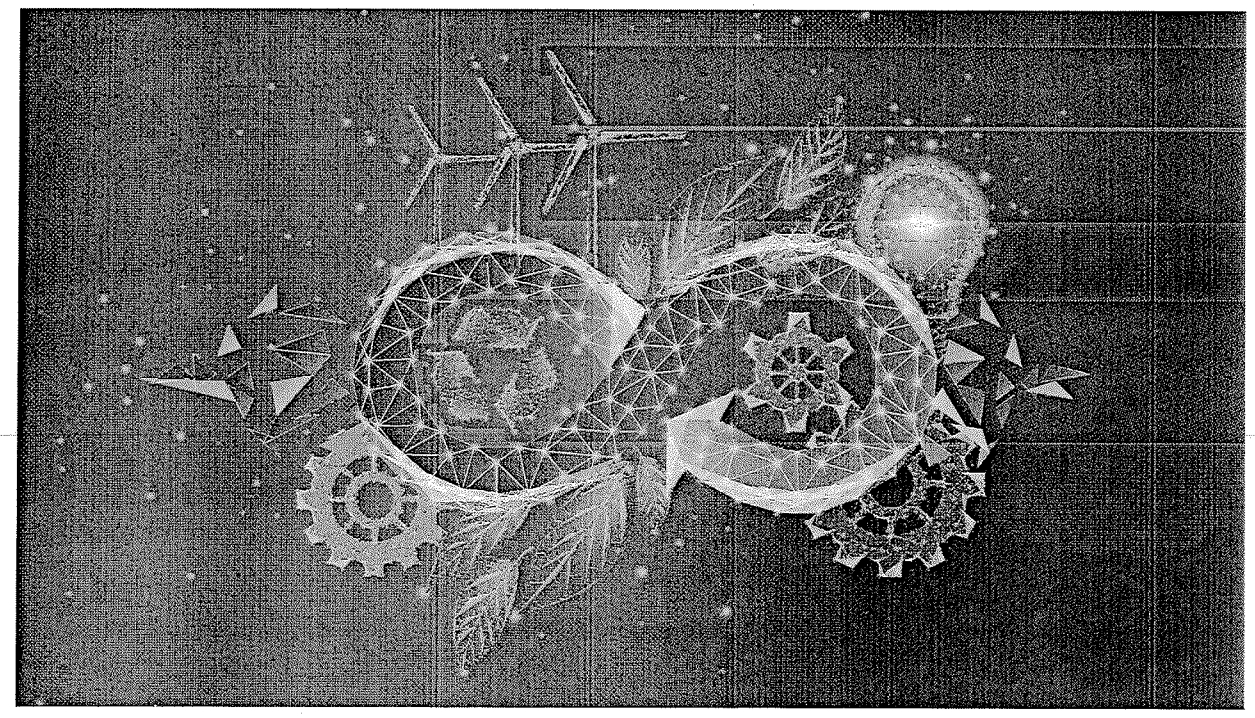
Circular economy is seeing a major and very rapid expansion and is going to affect every single productive and social area of the planet. It is therefore one of the most promising and dynamic industries to explore for future employment.

The Master will form experts in Circular Economy and experts in waste material recycling technologies and their natural career pathway will be in:

- National and international organizations already with a sustainability strategy in place (they are many).
- Activities of strategic consulting in Public Administration and private businesses.
- Consortiums for collection and recycling of waste material.
- Companies in the selective recycling industry.
- Research institutes and international universities.
- Non-governmental organizations (NGOs) and other third-sector organizations.

Course Co-ordinator

Massimo Guerra has been dealing with environmental issues for thirty years, since he published "Riciclo Riciclo" (Recycling Recycling) in 1993, a manual on waste recovery practices, and "L'ambiente in bolletta" (The environment on the bill) in 1994, a manual on saving actions energetic. He was director of the National Observatory on Waste, consultant of the Commission of Inquiry of the Parliament on the illicit trafficking of waste, consultant of the Waste Unit of DG11 of the European Commission, coordinator, on behalf of Italian minister of environment, of waste management and landfill building projects in Albania and Kosovo; he developed research projects on sustainability issues (recovery of wood waste, sustainable practices in the fish supply chain, sustainable agriculture in Tunisia, household waste management, sustainable mobility of waste, etc.), managed the Colleferro (a village 40km far from Rome) waste-to-energy plant, realised intermodal waste transport projects; he provided assistance to some Italian Municipalities on the issues of integrated urban waste management, and accumulated dozens and dozens of hours of lessons on circular economy, waste management, environmental pressure.
Graduated with a thesis in cultural anthropology, since some years he is coordinator of the section "waste, water and environment for a sustainable society" of CIRPS. ■



Programme

Master in technologies on mobility & sustainable transport

Course Coordinator

Prof. Giovanni Maria De Pratti

Concept/mission

The modalities of transport of people and goods are evolving rapidly and drastically. Such a change involves automotive technologies with more and more performing and green vehicles as well as infrastructures and the organization of the city itself, leading us to imagine a radical change in the lifestyle of people soon to happen. Technology innovation in the mobility industry is one of the main components of a green economy, strategic and crucial to the fast energy transition course.

This makes the sustainable mobility and transport industries among the most promising and dynamic ones for future professional roles, the most prominently emerging is the role of mobility manager. The Course offers the necessary tools and a wide range of technical competencies to deal with the great technological and cultural transformations that are drastically changing the ways of transporting people and goods. Particular attention will be paid to the most crucial aspects in this transformation such as: electric and hybrid traction, the interconnectivity of vehicles, industry-specific digital technologies, the 'drive self' systems, the infrastructures needed for this transformation to take place, the potential of 'smart city' in mobility, the passage from the logic of ownership to the one of sharing (sharing economy), the introduction of new models of management of integrated logistics.

Technology innovation will be the main drive behind the way the course modules are developed and the execution of project work. Through the direct involvement with the training activities of industry stakeholders and associations, the Master in "Technologies in Mobility and Sustainable Transport" wants to offer learners a well-structured and original product, based primarily on a technical and vertical approach that allows up-to-date knowledge of the most innovative technologies in the industry as well as a practical understanding of relevant market trends.

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage and didactic programme:
In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule. ►

Course Modules

- **The challenge of sustainable mobility (25 hours)**
  2 credits
- **From conventional to sustainable logistics (40 hours)**
  3 credits
- **Innovation in traction: electric PLUGIN, hybrid and biofuels (60 hours)**
  5 credits
- **The self-drive revolution (25 hours)**
  2 credits
- **Soft mobility (25 hours)**
  2 credits
- **From ownership to sharing (25 hours)**
  2 credits
- **The potential of intermodalities (25 hours)**
  2 credits
- **The role of infrastructures (25 hours)**
  2 credits

OTHER ACTIVITIES:

- **Internship/Stage/Home studying activity**
  25 credits
- **Preparation and Final Dissertation**
  15 credits
- **Total credits**
  60 credits

Admission requirements

This Master's programme is addressed to holders of Bachelor's degree in engineering, supply chain management, business, economics, technological sciences, but also experts and professionals involved in transportation, management of intercontinental, international (air, road, sea and digital), national and local transports. Lifelong learners and current professionals from global environments are also welcome to apply. A detailed CV/ Resume is also required.

Career Progression

Students will be able to:

- **Acquire the main technical competencies of the mobility manager.**
- **Understand the technology and city planning issues involved in the shift from internal combustion traction to electric traction and from traditional logistics to sustainable logistics.**
- **Know the main technologies underlying sustainable logistics.**
- **Understand the strategic role of urban and non-urban infrastructures and define the elements necessary for a shift of the mobility system.**
- **Obtain the competencies to understand the peculiar aspects of this transition (new traction technologies, new industrial models, sustainable planning of the production processes and of the products, social awareness and informing people, training management, Human resource management, administrators, and politicians).**

Mobility and sustainable logistics are seeing a major and very rapid expansion which is going to affect every single productive and social area of the planet.

The Course will form mobility managers and experts in mobility and sustainable logistics. Their natural career pathway will be in:

- **Local Authorities.**
- **Activities of strategic consulting in Public Administration and private businesses.**
- **Vehicles manufacturers.**
- **Air, Sea, Road, and Digital Transportation.**
- **Mobility services providers.**
- **National and international organizations willing to incorporate sustainable mobility in their business.**
- **Research institutes and international universities.**

Course Coordinator

Giovanni Maria De Pratti is a Mechanical engineer and PhD in Energetic and at the present time, after a long period as Contract Researcher in the same University is Contract Professor at "La Sapienza" University of Rome, where the role covered at first was the matters concerning of Technology of Materials, then of Machine Diagnosis and of Sanitary Solid waste management; at the present time he is professor about Energy Systems and Thermal Power Stations.

He is an Associate Member of CIRPS. His academic research field is about aerodynamics and hydrodynamics of fluid machines and, particularly, of high-pressure compressors in Gas Turbines, of horizontal axis wind turbine rotor-blade or in the concern of hydraulic turbines in mini-hydro range of power. He has deeply studied the assessment of environmental impact due to energy systems and, at the present time, he is carrying out a large experimental analysis of hydrodynamics characteristics of white shark. As engineer consultant and designer, he has realised project about Wind farms for a global installed power value about 250 MW, biomass power plants about 10 MW and mini-hydro power plants about 15 MW, and in this field, he has designed two micro-hydro plants for remote applications, out of regional grid, in Ghurari District in India and in La Realidad Community in Mexico, Chiapas Region. In the past he has been Lieutenant Commander of Italian Artillery Section at The Italian School of Artillery as Observer Officer. Between 2000 and 2012 years he was Project Manager of an Engineering Consulting Society. ■

Programme

Master in formulation, design & management of European & international projects

Course Coordinator

Prof. Roberto Cippitani

Concept/mission

The Master is aimed at creating the expert in International programmes: a professional able to facilitate the organization for which he/she works in the identification, access and use of community funding, with a particular emphasis on programs for non-EU countries, in particular as regards the Research and Development Framework Programs, but who is also able to have the methodological and informative tools to operate on a broader range of programs, including the International Cooperation programs and other international donors. The expert can operate within any structure that aims to access the programs but can also practice in the field of advice on community and international programs (in companies and agencies specialised in the sector or, in perspective, as a freelancer), however always with the aim of facilitating their access to international funding and their effective use.

Particular attention was paid, in the design phase of the master, in maximizing the professionalism of outgoing profiles: in this context, two distinctive characteristics of the course are an intense laboratory activity and a close connection with the world of work.

Duration: 12 months
As every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/applied research/ internship**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage/Internship and didactic programme

In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors. The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Overview of International Donors**
  6 credits
- **EU programmes for R&D & education**
  6 credits
- **EU Programmes for International Cooperation**
  6 credits
- **Other International donors**
  6 credits

OTHER ACTIVITIES:

- **Project Design Workshops**
  16 credits
- **Internship**
  12 credits
- **Thesis Dissertation**
  8 credits
- **Total credits**
  60 credits ►

Admission requirements

Candidates with an adequate level of English language knowledge, and holders of a first degree in all disciplines may participate in the Master's programme. In most cases, the Bachelor's degree is the academic title which allows access to this Master.

Equivalent qualifications are actively endorsed. Lifelong learners with similar professional experiences are also eligible for this course.

A detailed CV/Resume is also required.

Career Progression

These are great career prospects for Masters' holders for qualified project managers because they involve using organization, task management and time-management abilities to complete daily tasks. Other common project management skills involve leadership, communication, scheduling, and risk management. All of these are key ingredients of this course. Most of these skills taught are transactional, meaning you can use them in a variety of different careers. These careers typically consist of tasks that require you to use these project management skills in the field of IT, Technical, Finance, Construction, Health Care, Transportation, the Environment, Public and Private Administration, central and regional project sites, Events, Training, Operations, Human Resources and Business Analysis and other peripheral disciplines. Major global international organizations and foundations rely on this career bearer for their day-to-day operations (UN, the World Bank, the EU, ASEAN, SADC, the African Union, the EBRD, and the EIB). Major consultancy firms such as Ernst & Young, Price Waterhouse Coopers, KPMG, Deloitte and Touché, and KPMG recruit globally specifically for this field.

Course Coordinator

Roberto Cippitani is Professor of Private Law; Lecturer: Biolaw; Computer Science Law and Forensics; Law of Research and Innovation; Law of sport; Jean Monnet Chairholder, since 2012; Associated Researcher of the Consiglio Nazionale delle Ricerche (Italian "National Research Council"); Academic Coordinator of Jean Monnet Centre of Excellence "Rights and Science" for the period 2015-2018; Expert Evaluator (ID: EX2014D221002) for the European Commission (Programme Horizon 2020, MSC-IF; ERIC Infrastructures), since 2017; Ethics Advisor; Legal Advisor of Universities and Centres of Research on legal and contractual issues of research and innovation.

Member of Boards of Reviews: "Rights and Science", Co-director, Director: Mario I. Álvarez Ledesma, (University of Perugia - Italy); "Integración Regional & Derechos Humanos /Revista - Integration Regional & Human Rights / Review, Member of the Academic Council, Director: Calogero Pizzolo, Universidad de Buenos Aires (ISSN: 2346-9196); "Derecho y Economía de la Integración", Member of the Editorial Board, Director: Carlos F. Molina del Pozo (Universidad Alcalá de Henares, Spain) - "Argumentum", Member of the Editorial Board, Director: Mariana Ribeiro Santiago (Universidade de Marília - Unimar, São Paulo, Brasil); "Diritto e processo/ Right and Remedies/Derecho y Proceso", Member of the Editorial Board, Director: Antonio Palazzo (Perugia University - It); "Urbe et Ius", Member of the Editorial Board, Director: Sebastián De Stafano, Poder Judicial Ciudad Autónoma de Buenos Aires Furthermore, Roberto Cippitani is Vice-President of the "Red Internacional de Juristas para la Integración Americana" [International Network for the American Integration], with its registered office in Mexico City; Member of the Board of Director of "Instituto Eurolatinoamericano de Estudios para la Integración. Red Eurolatinoamericana de Universidades y Profesores e Investigadores Universitarios (IELEPI)", [Euro-Latin American Institute] with its registered office in Alcalá de Henares (Madrid). ■

Programme

Masters in agri-food chain in European & global markets

Course Co-ordinator

Prof. Ferdinando Albisinni

Concept/mission:

Food markets have undergone a deep process of internationalization. Competitiveness encompasses efficiency as well as the capacity to satisfy consumers preferences and to fulfil the legal framework. In turn, the legal framework evolves along with consumers' and society's views and goals, but also needs to accompany the technical and organizational features of production. International commerce develops new trade routes, markets, and products, but also facilitates the spread of invasive alien species (IAS), causing important damage to the new environments. In this context, legal rules continuously evolve to prevent the introduction of IAS.

This Master focuses mainly on Food Law, on the one side, and on Scientific and Technical Innovation in food production processes. Besides, basic elements of the economic analysis of food chains and markets and phytosanitary analysis are also, given to the students.

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage and didactic programme:
In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Admission requirements

The Course is designed for graduates having a diverse range of prior knowledge and interests and is conceived for fostering their knowledge of Agri-Food Chain production and products and EU regulations for food trade, and to increase the capacity of Agri-Food products from non-UE countries to be actors in the EU and Global Market. A detailed CV/Resume is also required. ►

Career Progression

This Master's programme is for opening up career prospects for operators at strategic levels in enterprises, corporations, consulting companies, national agencies, universities, municipalities and other public bodies and administrations, local economic development organizations, international organisations and agencies.

Course Co-ordinator

Ferdinando Albisinni: Tuscia University (Viterbo): Full professor of European Food and Agricultural Law; Professor Jean Monnet of European Food and Agricultural Law; Member of the board of professors of the PhD course on "European and international markets regulation", Tuscia University; Scientific Director of the EFLC – European Food Law Center, Tuscia University; Scientific Director of the Advanced Master in Food Law, Tuscia University; Professor of the Institute of Comparative and International Agricultural Law in courses for the Italian Ministry of Agriculture, Food, and Forestry; Scientific Consultant of the Italian Ministry of Agriculture, Food, and Forestry; Member of the Italian delegation to the O.I.V. – Organisation International de Vine, Paris - Expert of the Italian Federation of Consortia of quality wine producers; Founder and National Secretary of the Italian Food Law Association; Scientific Director of the Data Bank on online on Food Law "Diritto alimentare. Mercato e sicurezza", at www.leggiditaliaprofessionale.it; Director of the legal journal "Rivista di diritto alimentare", www.rivistadirittoalimentare.it; Ordinary Member of the Academy of Georgofili, Florence; Member of the Italian Association of Comparative Law; Member of the Institute of Comparative and International Agricultural Law; Member of the Bar of Roma; admitted before the Supreme Court; Practising lawyer admitted before the Supreme Court, with office in Rome and practice in agri-food law before Italian and EU Courts and Administrations. ■

Programme

Master in new & conventional energies

Course Coordinator

Prof. Giovanni De Pratti

Concept/mission

Energy is essential for life and for all living organisms. The sun, directly or indirectly, is the source of all the energy available on Earth. Our energy choices and decisions affect the Earth's natural systems in ways that could lead and are already leading to massive damage, so it's essential to carefully choose
our energy sources and go to Energy Efficiency techniques: use less energy to provide the same level of energy. It is therefore a method to reduce human greenhouse gas emissions.

Efficient use of energy is achieved primarily through a more efficient technology or process. Energy-efficient buildings, industrial processes and transport could reduce global energy needs by 2050 by one-third and help control global greenhouse gas emissions. Therefore, all countries are oriented towards reducing the carbon footprint of companies and encouraging efficient use of energy: energy efficiency has become an integral part of design, maintenance, and industrial production, as well as the provision of services for civil use (energy efficiency in the building).

The Master's course is designed to offer a multidisciplinary training path, in which the technical and engineering component is completed by an economic financial approach. The programme combines sustainable energy engineering with innovation and entrepreneurship. The term sustainable energy engineering comprises a wide array of practices, policies, and technologies (conventional, renewable, and alternative) aimed at providing energy at the lowest possible economic, environmental, and social cost. Emphasis is placed on dealing with energy engineering tasks with due consideration of related technical, environmental, and socio-economic issues. Strong emphasis is also put on the innovative and entrepreneurial aspects of the energy society, especially regarding how existing and new efficiency-improving innovations can be brought to market in different countries. The innovative aspects of the programme are related to both the advanced renewable energy concept globally as well as new businesses in the energy sector.

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits

Stage and didactic programme:
In the start-up phase of the course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule. ►

Course Modules

- **Micro and macroeconomy**
  3 credits
- **The energy cycle**
  4 credits
- **The conventional energy plants**
  4 credits
- **New and renewable energy sources**
  5 credits
- **Energy efficiency**
  5 credits
- **Management and trading**
  4 credits
- **Environmental economy and management**
  4 credits
- **Social, economical and ethical aspects**
  4 credits
- **Human safety and environmental protection**
  6 credits
- **Sustainable development**
  6 credits

OTHER ACTIVITIES:

- **Preparation and Final Dissertation**
  15 credits
- **Total credits**
  60 credits

Admission requirements

The course is mainly addressed to post-graduate students, experts and professionals involved in Renewable Energies activities. A detailed CV/ Resume is also required.

Career Progression

After graduation, the candidate has a Master's programme endorsed by CIRPS which opens up strong prospects for the job market on a global scale. As an Innovative Sustainable Energy specialist, there are extensive opportunities for employment in international and domestic energy sector expert positions. Energy engineering companies have a growing need for future makers and an ever-increasing career potential to offer specialists, not only in conventional energy technologies but also in the growing business of renewable energies. Local and central governments, consultancy firms and NGOs are always on the lookout for these degree-bearers

Course Coordinator

Giovanni Maria De Pratti is a Mechanical engineer and PhD in Energetic and at the present time, after a long period as Contract Researcher in the same University is Contract Professor at "La Sapienza" University of Rome, where the role covered at first was the matters concerning of Technology of Materials, then of Machine Diagnosis and of Sanitary Solid waste management; at the present time he is professor about Energy Systems and Thermal Power Stations.

He is Associate Member of CIRPS. His academic research field is about aerodynamics and hydrodynamics of fluid machines and, particularly, of high-pressure compressors in Gas Turbines, of horizontal axis wind turbine rotor-blade or in the concern of hydraulic turbines in mini-hydro range of power.

He has deeply studied the assessment of environmental impact due to energy systems and, at the present time, he is carrying out a large experimental analysis of hydrodynamics characteristics of white shark.
As engineer consultant and designer, he has realised project about Wind farms for a global installed power value about 250 MW, biomass power plants about 10 MW and mini-hydro power plants about 15 MW, and in this field, he has designed two micro-hydro plants for remote applications, out of regional grid, in Ghurari District in India and in La Realidad Community in Mexico, Chiapas Region.

In the past he has been Lieutenant Commander of Italian Artillery Section at The Italian School of Artillery as Observer Officer. Between 2000 and 2012 years he was Project Manager of an Engineering Consulting Society. ■

Programme

Master in Italian language & culture

Course Co-ordinator

Prof. Patrizia Guida

Concept/mission

The Master prepares professionals with a high knowledge of the Italian language and culture that can be used both in the educational field with teaching Italian to foreigners in Italy and abroad, and in the tourist-artistic field thanks to the specific training in the Italian culture. The teaching topics macro-areas are:

- **Italian as a foreign/second language**
- **Italian literature**
- **Italian linguistics**
- **Italian art history**
- **Italian history and geography**
- **Italian Cinema**
- **Italian Fashion and Design**
- **The 'made in Italy' concept.**
- **Business Italian Language**

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/internship/ applied research**
- **400 thesis and exams**
- **residual: SEMINARS.**

Academic credits

60 academic credits

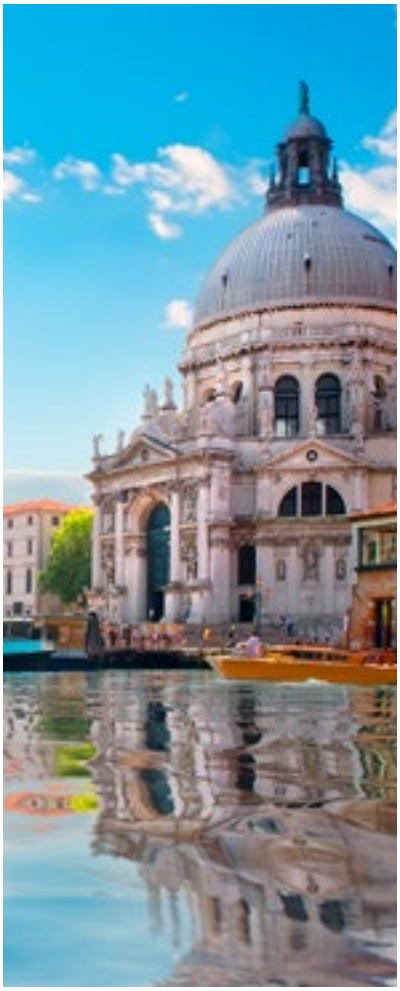
Stage and didactic programme

In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis work will also be scheduled in line with the prearranged schedule.

Admission requirements

The Master course is addressed to graduates and encourages the participation of global students. All learners with a first degree or similar life/education experience including lifelong learners/professionals are invited to apply. A detailed CV/ Resume is also required. ►



Career Progression

The Master trains teachers of Italian as a foreign/second language who can be placed in Italian and foreign public and private educational institutions (including universities). In-depth knowledge of Italian civilisation allows us to work with organizations dealing with the dissemination of the Italian language and culture abroad and with the promotion of the Italian cultural heritage (consulates, Italian cultural centres, associations, etc.)

The graduate will be able to work as:

- **teacher of Italian language and culture courses to foreigners**
- **cultural officer at Italian representative offices abroad, Italian cultural institutes, organizations and foundations for the dissemination of the Italian language and culture abroad**
- **editor in the publishing sector, traditional or multimedia in the context of Italian expert collaborator in companies, agencies, and tourism promotion bodies in Italy and abroad linguistic-cultural mediator and facilitator**
- **tour-operator specialised in Italy**
- **specialised journalist**
- **Diplomats**
- **Liaison with Italian corporations including Fashion and Design**

Course Co-ordinator

Patrizia Guida is a full Professor of Italian Literature at the University LUM Giuseppe Degennaro (It); in charge of Professional Writing and Professional Writing Techniques; Pro-Rector for Internationalisation; Scientific Director of the Master in Management; Assistance Director of the International Center for Studies on Adriatic Travel LUM Giuseppe Degennaro University. Elected member of the national board of the Association of Italianists (ADI); Member of the Working Group «Teaching Italian and Marco Polo/Turandot programs» of the CRUI International Relations Commission (April 2020). Some teaching activities: (2020–today) holder of the course of "Professional Writing" and "Professional Writing Techniques" at the LUM Giuseppe Degennaro University; (2019-2020) holder of the course "Improving communication skills (NVC and written communication)" within the 1st level Master, Executive Assistant, at the School of Management of the LUM University "Jean Monet" of Casamassima, Bari; (2001-2020) holder of the course "Contemporary Italian Literature", Degree Course in Translation and Interpreting (now the Science and Technique of Linguistic Mediation) of the Faculty of Letters and Philosophy; (2015-2020) holder of the course "Italian language L2 and specific languages", Bachelor's degree Specialist in Science and Technique of Linguistic Mediation of the Faculty of Letters and Philosophy, Cultural Heritage and Foreign Languages and Literatures of the University of Salento. ■

Programme

Master in executive management

Course Co-ordinator

Prof. Patrizia Guida

Concept/mission

The Executive Managers and Assistants serve a critical role in a business by supporting key company executives with scheduling, organisation, and administrative tasks. The role of an executive manager/assistant is important to the success of the executive and, as a result, the company. An executive assistant/coordinator/manager helps the executive director for whom they work with tasks such as scheduling; reviewing, prioritising, and responding to emails; answering and returning phone calls; organizing documents; maintaining records; taking notes at meetings and any other administrative face to face and digital tasks that help the executive leaders to perform their job.

The course aims to equip candidates with a variety of technical skills and knowledge needed to progress in their careers.

The course includes

- **Duties of the Executive Manager/ Assistant and time management**
- **Improve your communication skills**
- **Teamwork and the trust of one's leader/director**
- **Organization of work: tools (including digital sector)**
- **Meetings and events**
- **Improve your communication skills**
- **Personal Assistant tasks and time management**
- **Teamwork and leadership**
- **Organization of events: meetings and colloquia including webinars**
- **Management assistance**
- **Corporate internationalization strategies**
- **Personal branding and placement skills**

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/applied research and/or practical internship**
- **400 thesis and exams**
- **residual: SEMINARS.**

Academic credits

60 academic credits

Stage and didactic programme

In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the project work/dissertation will also be scheduled in line with the prearranged schedule.

Admission requirements

The Master course is addressed to first-degree holders and encourages the participation of global students. All learners with a first degree or similar life/education experience including lifelong learners/professionals are invited to apply. A detailed CV/Resume is also required. ►

Career Progression

The role of the Executive Assistant/ manager/coordinator is increasingly in demand due to the evident importance of the needs that it can satisfy. At the end of the course, candidates will be able to find their natural career pathway in:

- **National and international organizations**
- **Public Administration and private businesses.**
- **Companies in several industry sectors**
- **Professional firms**
- **Research institutes and international universities**
- **Non-governmental organizations (NGO) and other third-sector organizations.**

Course Co-ordinator

Patrizia Guida is Full Professor of Italian Literature at the University LUM Giuseppe Degennaro (It); in charge of Professional Writing and Professional Writing Techniques; Pro-Rector for Internationalisation; Scientific Director of the Master in Management; Assistance Director of the International Center for Studies on Adriatic Travel LUM Giuseppe Degennaro University. Elected member of the national board of the Association of Italianists (ADI); Member of the Working Group «Teaching Italian and Marco Polo/Turandot programs» of the CRUI International Relations Commission (April 2020). Some teaching activities: (2020–today) holder of the course of "Professional Writing" and "Professional Writing Techniques" at the LUM Giuseppe Degennaro University; (2019-2020) holder of the course "Improving communication skills (NVC and written communication)" within the 1st level Master, Executive Assistant, at the School of Management of the LUM University “Jean Monet” of Casamassima, Bari; (2001-2020) holder of the course "Contemporary Italian Literature", Degree Course in Translation and Interpreting (now the Science and Technique of Linguistic Mediation) of the Faculty of Letters and Philosophy; (2015-2020) holder of the course "Italian language L2 and specific languages", Bachelor's degree Specialist in Science and Technique of Linguistic Mediation of the Faculty of Letters and Philosophy, Cultural Heritage and Foreign Languages and Literatures of the University of Salento. ■

Programme

Master in public & business administration for sustainable development

Course Co-ordinator

Prof. Marco Zupi

Concept/mission

The Master course aims at training executives/economic and development professionals able to connect local occupational and productive situations to national and transnational ones, as well as to frame these situations within communitarian or international programs which are more and more numerous and specifically aimed at place-based growth and development globally.

The challenge of sustainable development localisation calls for coordination and coherence of local development policies and the firm commitment of all relevant territorial agents. Therefore, the process of designing and implementing local development strategies to achieve the sustainable development target is critical.

The Course aims also at providing a thorough understanding of how the process of globalisation affects private (particularly small and medium enterprises) and public institutions working in a local context in the Mediterranean region. The main objective is to provide students with the necessary tools to critically analyse the "globalisation challenge" as seen from the local and regional dimensions, and strengthen the capacity of local partners to access, participate and cooperate in the global market.

Duration

12 months

As with every Professional Master's programme, the Course lasts 1.500 hours/year; of which:

- **300-400 dealing with lessons and seminars**
- **250 individual study**
- **350-400 stage/applied research/internships**
- **400 thesis and exams**
- **residual: SEMINARS**

Academic credits

60 academic credits ►

Stage and didactic programme

In the start-up phase of the Course, educational offers aimed at the needs of each student and group work will be studied and prepared. Thus, it will be possible to start a tailored programme on an individual level, but more often working groups will be created which will carry out collective activities coordinated by teachers and tutors.

The individual work, the stage, mainly as an internship (applied research or field experience) and the thesis/ dissertation/project work will also be scheduled in line with the prearranged schedule.

Course Modules

- **Methodological course: Qualitative & Quantitative Methods**
  4 credits
- **European, Mediterranean & Global Studies**
  2 credits
- **Italian/English Course for Foreigners**
  4 credits
- **Policies for Sustainable Development**
  4 credits
- **Monitoring & Evaluation of Policies**
  5 credits
- **Sustainable Technological Innovation**
  5 credits
- **Analysis of Local Economies & Firms**
  4 credits
- **Business & International Marketing**
  2 credits

One topic to be chosen from the following list in order to carry out the project work phase:

- **Territorial Partnerships and Internationalization Trade and the Euro-Mediterranean partnership**
- **Multi-utilities and service provision**
- **Project Cycle Management**
- **Capacity Development for Environment EU Neighbourhood Policy**
- **EU and International Financial Institutions' Facilities and Budget lines**
  20 credits

OTHER ACTIVITIES:

- **Final Dissertation/ Internship Report**
  10 credits
- **Total credits**
  60 credits ►

Admission requirements

This course is designed for professionals from a variety of different disciplinary backgrounds including first-degree holders in Economics, Business, Banking, Accountancy, Management, Development Studies, Marketing, Law, Political Science, International Relations, Sociology, and similar disciplines. Similar equivalent qualifications and lifelong learners with relevant experience are welcome to apply. A detailed CV/Resume is also required.

Career Progression:

The Master offers international training oriented towards policy, management and planning within public institutions, departments of firms and enterprises that offer service management and professional category associations involved in international partnership initiatives within the framework of the global action for the promotion of sustainable development.

Within public institutions, departments of firms and enterprises that offer service management and professional category associations are involved in international partnership initiatives within the framework of global action for the promotion of sustainable development. According to the United Nations Industrial Development Organization, green skills are the abilities and knowledge needed to develop and support a sustainable and resource-efficient society.

The GREEN GENERAL SKILL INDEX identifies four main types of skills that are sought after in green occupations:

- **Engineering and technical skills: For candidates interested in technology, these skills are needed to develop new products and solutions, with a focus on renewable energy. For example, you may know that many companies use Cloud technology to store and consume data. There is a growing demand for people who have the technical expertise to evaluate the design, architecture, and implementation of that data to reduce energy consumption and improve efficiency.**
- **Science-based skills: For those interested in fields like physics and biology, this expertise is vital in the utility sector, a part of which focuses on helping infrastructures transition to sustainable sources of energy.**
- **Operational management skills: In any field, this skill can be used to help organizations support green initiatives or activities. For example, sustainability specialists need to have an overall understanding of how a firm operates (from creating services and products to delivering them) and need to have the communication skills to collaborate with external stakeholders (both partners and customers).**
- **Monitoring skills: As more and more businesses are required to report ENVIRONMENTAL/ SOCIAL/GOVERNANCE ESG scores, new jobs will continue to arise in environmental compliance, including inspectors responsible for tracking, assessing, and understanding the technical criteria and legal standards companies must comply with.**

Course Co-ordinator

Marco ZUPI: Scientific Director of the Centre for Studies in International Politics (CeSPI), an Italian Think-tank on International relations, in Rome; (part-time) Professor of International Political Economy and Development Studies at the Hanoi University; (on leave) professor at the Bac Ha International University of Hanoi; UNDP Senior advisor on SDGs localisation and the role of academia; Scientific coordinator and director of Mondopoli, a web portal on geo-politics and international economics initiated together with Istituto Treccani; Scientific coordinator of the Geopolitics Yearbook published by Treccani; Scientific Convener for the network of the International Doctoral School on the SDGs, a consortium consisting of 42 academic and doctoral schools from 29 countries in Africa, Asia and Latin America. He is also the Editor-in-chief of the e-Journal of Economics and Complexity (with an international editorial board including 20 African, Asian and Latin American academic experts), referee to various refereed international journals and member of the Scientific Board of the Journal Réflexions Économiques.

He is a Member of the Teachers' Board, PhD Programme in Political Science, Roma Tre University; member of the Scientific Committee of the Institut de Prospective Economique du monde Méditerranéen in Paris.

He is Head of the International and Development Political Economy Unit at the Inter-University Centre on Sustainable Development (CIRPS), where he was member of the Scientific Committee of the PhD Programme on Member of the Teachers' Board of the PhD Programme in Sustainable Development and International Cooperation, member of the Management Committee and Coordinator of International Development Cooperation and Data Analysis at the Master programme on international development cooperation. ■

Why Choose IEP ITALY

- **It offers quality higher education and training across different campuses throughout Italy.**
- **All programmes are taught in English**
- **Courses are taught by internationally renowned professors**
- **Certificates are issued by prestigious Italian universities which are members of CIRPS**
- **Internship for all graduate courses including a hands-on project**
- **Presentation to regional, national, EU and international companies and institutions**
- **Guided excursions throughout Italy – Borghi Piu Belli D'Italia (art, history, language, culinary arts, sustainable leisure activities, UN SDGs)**
- **Future career guidance and support**
- **Free Italian language courses**
- **International exchanges**

Why Choose ITALY as the study destination...

1 You get to experience Italian culture

Italy has influenced global culture with some of the richest collections of art, architecture, cuisine, and music in the world. An immersive study abroad experience in Italy helps you develop an expanded world perspective and cultural appreciation. Whether it's a Master's programme in Rome or Florence or another location in one of the BORGHI PIU BELLI d' Italia, you get a chance to experience Italian culture.

2 There are plenty of IEP programmes to choose from

Study programmes in Italy are some of the most popular because of the country's food, scenery, historical sites, and museums. There are plenty of IEP programs to choose from, including business, information technology, sustainable development, science and technology - all professional programmes give access to international employment.
The Florence programme and the Rome programmes are extremely desirable. On the other hand, the programmes in the Borghi will offer a unique experience in an uncontaminated natural UNESCO labelled environment and are much sought after.

3 You will receive a high-quality education with an academic pathway, get an opportunity to stay and work in Italy or seek a career route for an international job

Students worldwide come to Italy to study and gain insight into their field through a different cultural lens. Italy boasts a sound and high-quality higher education system; and is home to the oldest universities in the Western world. The country has been a hub for art, science, and higher education for hundreds of years.
The University of Bologna, Italy was founded in 1088 and, having never been out of operation holds the title of the oldest university in the world.
The CIRPS academic offer is one of the best in Europe with a consortium of top-level Universities from Rome La Sapienza to Perugia, Siena, Pisa and LUM in Bari amongst others. All courses have an academic pathway route to all CIRPS University Members for Bachelor (post-foundation), Masters' or Ph.D. programmes and to other EU partner Universities.
One of the most well-known research centres in Italy for science and engineering is the IEP campus at AcquaSparta, an ancient research laboratory of none other than GALILEO. The site of the world-renowned Geographical Society is the IEP Italy privileged location in Rome.
All IEP courses include an internship and/or stage, plus project work which allows all candidates to fully prepare for an employable future with regional, national, and importantly, international organisations.
Furthermore, according to the official website of the Italian government (https://www.studiare-in-italia.it/studentistranieri/), an international (non-EU/EEA) student, who has successfully completed the degree/diploma from an Italian institution of higher education, at the expiry of the residence permit for study reasons, can be registered in the employment lists in Italy for a period not over twelve months and can request the conversion of the residence permit for study into a residence permit for awaiting employment. ►

4 You can learn Italian in an immersive environment

Even if you're not a language major, learning another language can help you communicate when you travel abroad. It can also make you a more competitive job applicant and expand career opportunities in fields like foreign relations, tourism, and marketing. Whilst all IEP Italy courses are in English, you will have the opportunity of engaging in Italian language and cultural programmes. Furthermore, learning another language is good for your brain. However, becoming fluent takes time and commitment.

Living with a host family instead of living in a dorm or in student housing forces you to communicate in Italian. You'll also get to experience authentic Italian life - many expatriates invest time and energy to achieve this. As an IEP Italy student, you will be immersed in this atmosphere from day one.

5 You can eat authentic Italian cuisine

One of the exciting things about studying abroad is the opportunity to discover new foods. In Italy, you can broaden your palate and experience authentic Italian cuisine. All different regions offer a variety of food for all palates, from vegetarian to meat-loving and fish culinary enthusiasts. Shop at the local markets inside the Borghi, research local delicacies in your area and treat yourself to a gelato occasionally. You'll also experience food customs and etiquette. For example, Italians tend to eat dinner late, between 8 p.m. and 9 p.m. In the summer, they might eat even later.

6 It's an inexpensive country to travel in and to visit other EU member states

EURO Rail Italy includes 600 miles of high-speed rail, making it the most convenient way to travel together with safe and cheap coach travel by the major companies from each IEP site to all regions in Italy. For instance, it's easy to take a train or a coach from Florence to explore smaller cities around Italy and vice-versa. Housing may be included in your programme as will cultural and sporting tours during the year that you will spend abroad. Trips to other EU member states are also an option with France, Germany, and Slovenia on the doorstep.

7 You can explore a variety of beautiful landscapes

By studying abroad in Italy, you can deepen your learning experience and get to know the locals by exploring the country's scenic countryside. IEP Italy has carefully selected the very best living and studying environments. Italy's diverse landscapes range from sunny beaches to snow-capped mountains, and this is fact not fiction.

Hike in the spectacular mountains of Abruzzo to see the spectacular fauna and flora, flowers in bloom from June to September, and watch wild animals from deer to bears. You can also cycle the Italian Adriatic Riviera along the coast. Or take a leisurely trip through the Italian countryside on a regional train or hit the beaches of Puglia and Campania - the most sought blue flag beaches in the world.

8 You can experience beautiful cities and medieval hamlets and historical towns

Italy's history comes alive within its cities' plazas, cathedrals, museums, parks, and historical gardens and palaces. Ancient, Renaissance, and modern styles of architecture from Florence to Rome make Italian cities a one-of-a-kind experience.

The Colosseum, which was designed to seat 5,000 people, is probably the most famous structure in Italy. The country is also home to awe-inspiring cathedrals and basilicas that house world-renowned sculptures, frescoes, and paintings. From Bari to Florence, from Campania to Lazio regions. You can explore some of the world's most famous museums.

9 You can immerse yourself in history

The centre of Florence was among the first Italian UNESCO World Heritage Sites. Today, Italy is the global leader in UNESCO World Heritage Sites, with 58 landmarks and 40 more locations under consideration.

While studying abroad, you'll get to immerse yourself in Italian history, from the Sistine Chapel in the Vatican City to the Pantheon and the Colosseum in Rome not to mention the Ponte Vecchio and the Uffizi in Florence and other sites such as CASTIGLIONE DEL LAGO, Lake Trasimeno, which is located in the heart of Italy, that makes it an ideal base for visiting Umbria and Tuscany, as well as providing unspoiled nature and a refuge of birds and fish for outdoor enthusiasts. This is the place where Hannibal of Carthage in 217BC defeated the Roman legions on Roman soil.

You may also get the chance to visit some of the most beautiful Borghi In Italy, from North to South, with IEP-organised tours. ▪

Campuses & Borghi

Roma campus

AcquaSparta campus

Anversa Degli Abruzzi campus

Caramanico Terme campus

Bari Casamassima campus

Castellabbate campus

Fano Adriano campus

Castiglione Del Lago campus

Rocca san Giovanni campus

Firenze campus

Ortona Campus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