

PHD COURSE IN	ARCHAEOLOGY, HISTORY AND HUMAN SCIENCES
ADMINISTRATIVE HEADQUARTERS	University of Sassari
COORDINATOR	Maria Grazia Melis - mgmelis@uniss.it
TRAINING OBJECTIVES	<p>The Course aims to train PhDs in the archaeological, historical, philological-literary sciences and in the human and educational sciences, with particular regard to the sector of research, enhancement and management of cultural heritage.</p> <p>The interdisciplinary perspective will allow to train highly qualified PhDs in the humanities, to respond both to the needs of university research and research centers, and of the public administration and the private sector, where a strong interest has been expressed by the management, also in the scientific field, for a strong preparation in the humanities. During the three years, PhD students acquire the scientific method and the necessary skills for the world of public and private work in the field of the pure research, the university teaching, the application of new technologies to the different sectors of humanities, and finally of the publication and dissemination of the results of the research according to international standards.</p>
AREAS OF INTEREST	<p>L-ANT/01 ARCHAEOLOGY</p> <p>L-ANT/02 ANCIENT HISTORY</p> <p>L-ANT/03 ANCIENT HISTORY</p> <p>L-ANT/07 ARCHAEOLOGY</p> <p>L-ANT/08 ARCHAEOLOGY</p> <p>L-ANT/10 ARCHAEOLOGY</p> <p>L-FIL-LET/04 LATIN LANGUAGE AND LITERATURE</p> <p>L-FIL-LET/05 CLASSICAL AND LATE ANTIQUE PHILOLOGY</p> <p>L-FIL-LET/12 ITALIAN LINGUISTICS AND PHILOLOGY</p> <p>L-OR/06 ANCIENT NEAR EASTERN, MIDDLE EASTERN AND AFRICAN CULTURES</p> <p>M-FIL/03 MORAL PHILOSOPHY</p> <p>M-FIL/06 HISTORY OF PHILOSOPHY</p> <p>M-PED/03 TEACHING, SPECIAL PEDAGOGY AND EDUCATIONAL RESEARCH</p> <p>M-STO/01 MEDIEVAL HISTORY</p> <p>M-STO/04 CONTEMPORARY HISTORY</p> <p>VET/01 VETERINARY ANATOMY AND PHYSIOLOGY</p>
CONTESTS	<p>2 places with fellowship from the University</p> <p>5 reserved places (following a special agreement signed with the University) for employees of companies engaged in highly qualified activities or for employees of public research institutes and centers engaged in highly qualified activities (with salary keeping)</p>
METHOD OF EVALUATION	Titles, research project and interview
SCORING	30 points for the titles, 20 for the research project and 50 for the interview

<p>VALID TOPICS FOR PROJECT AND INTERVIEW</p>	<ol style="list-style-type: none"> 1. Communication of cultural heritage. Aims, methods and case studies. 2. Archaeological monuments and their role in the historical and contemporary, rural and urban landscape. From research to enhancement. 3. Movable cultural heritage: from discovery to museum creation. Problems and methodologies of study, conservation, enhancement. Case studies. 4. The candidate, on the basis of his own experience and through one or more evidences, will illustrate a case study concerning a specific historical period and geographical context. 5. New training scenarios: face-to-face teaching, distance teaching and continuous training. 6. The analysis of archival documents (photos, videos, maps, texts) for the reconstruction of war scenarios. The candidate will illustrate a case study. 7. Methodological or historiographical perspectives in the analysis of the sources for the reconstruction of a historical context. The candidate will illustrate a case study. 8. Forms of the Classic in Greek and Latin literature.
<p>INDICATIONS CONCERNING THE RESEARCH PROJECT</p>	<p>For the drafting of the research project, a maximum of 4500 characters are available, including spaces and excluding bibliography.</p>
<p>DIRECTIONS ON THE ORAL TEST</p>	<p>See the indications given in the announcement. Knowledge of the English language will be verified during the interview.</p>

PHD COURSE IN	ARCHITECTURE AND ENVIRONMENT
ADMINISTRATIVE HEADQUARTERS	University of Sassari - in agreement with the University of Karabuk (Turkey)
COORDINATOR	Vincenzo Pascucci – pascucci@uniss.it
TRAINING OBJECTIVES	<p>The environmental issue requires rethinking forms and ways of living around concepts of environmental sustainability at various scales, from spatial planning and transport systems, management of biotic and abiotic resources and ecosystems, energy, water and soil, resources, sustainable design, architectural philosophy and design methodology, recovery and urban regeneration to object design and communication.</p> <p>The PhD aims to train a researcher able to understand how building spaces and their relationship with the natural environment and landscape in order to design their management and transformation. This requires a systemic and multidisciplinary approach: the disciplinary fences with their exclusionary theories do not allow addressing the issue of sustainability in an integrated way.</p> <p>The doctorate is thematic and interdisciplinary, but consistent in content, objectives and methodological approach. It is focused on both Architecture and the Environment in all their fields and relationships: the space starts from an adequate naturalistic knowledge.</p> <p>The aim is to make sustainability concrete, dealing with material and immaterial objects in relation to the structures and functions of the ecosystem (both biotic and abiotic), but also to requalify, recover, restore, reuse, recycle, reduce, etc... Rethink and recapitulate history, rework it, relive it; redesign the city and its territory, the landscape and the environment in relation to each other, its form and its objects, with a sense of limit, saving, equity, solidarity.</p>
AREAS OF INTEREST	<p>L-ANT/06 ARCHAEOLOGY</p> <p>M-FIL/02 LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE</p> <p>BIO/02 BOTANY</p> <p>BIO/07 ECOLOGY</p> <p>ING-INF/05 INFORMATION PROCESSING SYSTEMS</p> <p>GEO/02 STRUCTURAL GEOLOGY, STRATIGRAPHIC GEOLOGY, SEDIMENTOLOGY AND PALAEONTOLOGY</p> <p>GEO/03 STRUCTURAL GEOLOGY, STRATIGRAPHIC GEOLOGY, SEDIMENTOLOGY AND PALAEONTOLOGY</p> <p>GEO/09 GEOCHEMISTRY, MINERALOGY, PETROLOGY, VOLCANOLOGY, GEORESOURCES AND APPLICATIONS</p> <p>ICAR/12 DESIGN AND TECHNOLOGICAL PLANNING OF ARCHITECTURE</p> <p>ICAR/13 DESIGN AND TECHNOLOGICAL PLANNING OF ARCHITECTURE</p> <p>ICAR/14 ARCHITECTURAL DESIGN</p> <p>ICAR/19 RESTORATION AND HISTORY OF ARCHITECTURE</p> <p>ICAR/20 URBAN AND TERRITORIAL PLANNING AND DESIGN</p>

	<p>AGR/14 AGRICULTURAL CHEMISTRY, AGRICULTURAL GENETICS AND PEDOLOGY</p> <p>ICAR/21 URBAN AND REGIONAL PLANNING AND DESIGN</p> <p>ICAR/17 DRAWING</p> <p>GEO/04 APPLIED GEOLOGY, PHYSICAL GEOGRAPHY AND GEOMORPHOLOGY</p> <p>ICAR/08 CONSTRUCTION SCIENCE</p> <p>ICAR/05 INFRASTRUCTURES AND TRANSPORT SYSTEMS, ESTIMATION AND VALUATION</p> <p>GEO/08 GEOCHEMISTRY, MINERALOGY, PETROLOGY, VOLCANOLOGY, GEORESOURCES AND APPLICATIONS</p>
CONTESTS	<p>2 places with University fellowship</p> <p>1 place with fellowship reserved to candidates graduated from foreign universities</p> <p>1 place with scholarship from the University on the subject of tied research "<i>Design, new materials and recovery of existing ones for the post-Covid society</i>" to be managed in collaboration with the PhD course in Chemical Sciences and Technologies (University of Cagliari)</p>
METHOD OF EVALUATION	Titles and interview
SCORING	30 points for the titles and 70 for the interview
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>Theme 1: Living the Environment;</p> <p>Theme 2: Tourism and Cultural Heritage;</p> <p>Theme 3: Aerospace and Remote Monitoring Systems;</p> <p>Theme 4: Smart networks and new technologies applied to good environmental management;</p> <p>Theme 5: Spatial planning, cities, natural resources and ecosystems;</p> <p>Theme 6: Sustainable design, regeneration and urban regeneration;</p> <p>Theme 7: Object and communication design;</p> <p>Theme 8: Ecology, Geology, Pedology, Botany: new techniques for a correct environmental management;</p> <p>Theme 9: Sedimentology, Stratigraphy, Geology and Marine Ecology as tools for monitoring climate change;</p> <p>Theme 10: Philosophy of Architecture and Project Methodology;</p>
INDICATIONS CONCERNING THE RESEARCH PROJECT	For this course it is not required the presentation of a research project among the documentation attached to the application
DIRECTIONS ON THE ORAL TEST	<p>During the interview you will be able to present a possible research idea which should be developed according to the following guidelines:</p> <ol style="list-style-type: none"> 1. Theme of research and coherence with doctoral issues 2. Objectives and feasibility 3. Methodologies 4. Expected results <p>You can present a short ppt (5 slides) to better illustrate the research</p>

PHD COURSE IN	CULTURES, LITERATURE, TOURISM AND TERRITORY
ADMINISTRATIVE HEADQUARTERS	University of Sassari
COORDINATOR	Fiorenzo Toso - ftoso@uniss.it
TRAINING OBJECTIVES	<p>The strengths of the course are, on the one hand, the adoption of an interdisciplinary perspective based on international comparison and, on the other hand, the search for a harmonisation between the local and the global. In terms of training, the linguistic, literary, artistic and visual aspects will be linked to the study of the territory and landscape in an anthropic, linguistic-literary and historical-geographical sense. The aim will be to develop the skills and methodologies of the research in function of cultural activities linked to the territory, also in the perspective of an economic valorisation through tourism experiences and integration of landscape sciences in the choices that determine the development of the territory in the perspective of safeguarding environmental, artistic and cultural values.</p> <p>Doctoral candidates will have to</p> <ul style="list-style-type: none"> - develop a theoretical-critical instrumentation suited to the complex cultural and social scenario generated by globalisation, going back to its social and linguistic cultural roots - critically examine the transnational dynamics of today's knowledge society and at the same time oppose the uncritical homologation of contemporary reality, drawing on the cultural wealth of the territory and the memory of the past, also in function of a collaboration with companies, local bodies and communities - increase their linguistic, anthropological, sociological and literary knowledge with a view to broadening their research horizons and international mobility - to address the linguistic, literary, artistic, geographical and socio-cultural fields with a comparative and interdisciplinary approach, understood in an international and trans-media sense - to extend knowledge of the territory in its local specificities
AREAS OF INTEREST	<p>L-FIL-LET/11 CONTEMPORARY ITALIAN LITERATURE</p> <p>L-FIL-LET/10 ITALIAN LITERATURE</p> <p>M-GGR/02 GEOGRAPHY</p> <p>L-LIN/10 ENGLISH AND ANGLO-AMERICAN LANGUAGES, LITERATURES AND CULTURES</p> <p>L-ART/06 THEATRE, MUSIC, CINEMA, TELEVISION AND AUDIOVISUAL MEDIA</p> <p>L-ART/03 ART HISTORY</p> <p>L-LIN/01 GLOTTOLOGY AND LINGUISTICS</p> <p>IUS/21 COMPARATIVE LAW</p> <p>L-LIN/04 FRENCH LANGUAGE, LITERATURE AND CULTURE</p> <p>L-ART/07 THEATRE, MUSIC, CINEMA, TELEVISION AND AUDIOVISUAL MEDIA</p> <p>M-PED/02 PEDAGOGY AND HISTORY OF PEDAGOGY</p> <p>M-DEA/01 DEMOETHNOANTHROPOLOGICAL SCIENCES</p>

	<p>L-FIL-LET/13 ITALIAN LINGUISTICS AND PHILOLOGY</p> <p>L-LIN/14 GERMANIC LANGUAGES, LITERATURES AND CULTURES</p> <p>M-FIL/05 AESTHETICS AND PHILOSOPHY OF LANGUAGES</p> <p>SPS/07 GENERAL SOCIOLOGY</p> <p>M-GGR/01 GEOGRAPHY</p> <p>L-ANT/01 PREHISTORY AND PROTOHISTORY</p> <p>L-LIN/05 SPANISH LITERATURE</p> <p>M-PSI/05 SOCIAL PSYCHOLOGY</p>
CONTESTS	<p>3 places with a university fellowship</p> <p>1 place with a scholarship reserved for candidates who graduated from foreign universities</p>
METHOD OF EVALUATION	Titles, research project and interview
SCORING	30 points for the titles, 20 for the research project and 50 for the interview
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>Themes for writing a research project:</p> <p>Theme 1: Territory, jurisdictions and landscape science</p> <p>Theme 2: Philology, Linguistics, Languages and Literatures</p> <p>Theme 3: Visual Cultures and Sciences</p> <p>Theme 4: Literature, Ecology and Geography</p>
INDICATIONS CONCERNING THE RESEARCH PROJECT	The research project has a maximum of 4500 characters including spaces and excluding the bibliography
DIRECTIONS ON THE ORAL TEST	See indications in the notice

PHD COURSE IN	ECONOMICS, MANAGEMENT, AND QUANTITATIVE METHODS
ADMINISTRATIVE HEADQUARTERS	University of Sassari - in agreement with Bordeaux University (France)
COORDINATOR	Dimitri Paolini - dpaolini@uniss.it
TRAINING OBJECTIVES	The Doctorate in Economics, Management, and Quantitative Methods (EMQM) at the University of Sassari offers an educational pathway that integrates the analytical and theoretical training typical of paths in economics and business sciences, supporting both with a solid quantitative background. The PhD includes three research paths: a path in "Economics", a path in "Management" and a path in "Quantitative Methods". The three tracks share a common set of courses, to which specialised courses for each of the three fields are added. Thanks to this particular attention to interdisciplinary aspects, to the variety of courses offered and to the structure of the curricular pathway, the Doctorate allows both the training of original and innovative intellectual figures, characterised by transversal skills in the analysis of the dynamics of enterprises and markets, and a more specialised higher education in economics, management and mathematical and statistical methods and models of these disciplines
AREAS OF INTEREST	M-GGR/02 GEOGRAPHY MAT/05 MATHEMATICAL ANALYSIS, PROBABILITY AND STATISTICS SECS-P/01 POLITICAL ECONOMY SECS-P/09 ECONOMICS OF FINANCIAL INTERMEDIARIES AND CORPORATE FINANCE SECS-P/07 BUSINESS ADMINISTRATION SECS-P/08 ECONOMICS AND BUSINESS MANAGEMENT SPS/08 SOCIOLOGY OF CULTURAL AND COMMUNICATION PROCESSES SECS-P/02 ECONOMIC POLICY SECS-P/05 ECONOMETRICS SECS-S/06 MATHEMATICAL METHODS OF ECONOMICS AND ACTUARIAL AND FINANCIAL SCIENCES SECS-S/04 DEMOGRAPHY AND SOCIAL STATISTICS SECS-S/05 DEMOGRAPHY AND SOCIAL STATISTICS SECS-S/01 STATISTICS SECS-P/11 ECONOMICS OF FINANCIAL INTERMEDIARIES AND CORPORATE FINANCE SECS-P/06 APPLIED ECONOMICS
CONTESTS	3 places with a university fellowship 1 place with scholarship from the University on the subject of tied research " <i>Fair and Sustainable Welfare (BES)</i> " to be managed in collaboration with the PhD course in Juridical Sciences

	<p>1 place with a scholarship financed by the Department of Economic and Business Sciences on funds from the Department of Excellence on a tied theme concerning "Fair and Sustainable Welfare (BES)"</p> <p>1 place (following a special agreement signed with the University) for employees of companies engaged in highly qualified activities or for employees of public research institutes and centers engaged in highly qualified activities (with salary keeping)</p>
METHOD OF EVALUATION	Titles, research project and interview
SCORING	30 points for the titles, 20 for the research project and 50 for the interview
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>Theme 1: Economics (Microeconomics, Macroeconomics, and Econometrics)</p> <p>Theme 2: Management (Financial Accounting, Business Administration, Public Management, Corporate Finance, Banking, and Marketing)</p> <p>Theme 3: Quantitative Methods (Applied Mathematics and Applied Statistics)</p> <p>Theme 4: Equitable and sustainable well-being - BES (Economics, Management and Quantitative methods)</p>
INDICATIONS CONCERNING THE RESEARCH PROJECT	See the indications in the call for proposals. In addition, the candidate must present, exclusively in English, the attached research project using a Power Point presentation (10 slides max).
DIRECTIONS ON THE ORAL TEST	Applicants may provide two reference letters from professors or researchers who know the applicant. For the drafting of the reference letter, please use the appropriate attachment. Letters must be sent by the deadline of the call, directly by the professors/researchers who signed them to the e-mail address rzallu@uniss.it, with the following Subject: "Reference Letter - Name Surname (of the candidate)". Please note that no points will be awarded for reference letters and that failure to submit them will not be a reason for exclusion from the competition

PHD COURSE IN	LIFE SCIENCES AND BIOTECHNOLOGIES
ADMINISTRATIVE HEADQUARTERS	University of Sassari - in agreement with Shiraz University (Iran)
COORDINATOR	Leonardo Antonio Sechi - sechila@uniss.it
TRAINING OBJECTIVES	<p>The PhD course in Life Sciences and Biotechnologies aims to be an advanced training centre, open to young Italian and foreign graduates, with the following objectives: to offer high scientific qualifications in both basic and applied research; to develop aptitude for national and international scientific cooperation; to stimulate the capacity for autonomous research both in terms of scientific understanding and technological spin-offs of the research topics studied. The three-year course is characterised by structured training activities and broadly interdisciplinary research projects, in order to encourage interactions and exchanges of knowledge between rapidly growing sectors such as modern biological and biomedical sciences. The PhD programme promotes theoretical-experimental cultural training and multiple interactions with national and international laboratories. The main research areas concern: animal biology, molecular bases of physiological and pathological processes, human and veterinary medicine, microbial pathogenicity, infections and autoimmunity, food and drug production, development of agriculture and animal husbandry, environmental protection, bioarchaeology. The multidisciplinary preparation in the fields of reference of the PhD course and the acquisition of a solid background in molecular and evolutionary biology provide the PhD students with a high degree of flexibility that guarantees a profitable insertion in different working environments</p>
AREAS OF INTEREST	<p>BIO/05 ZOOLOGY AND ANTHROPOLOGY</p> <p>BIO/10 GENERAL BIOCHEMISTRY</p> <p>MED/33 LOCOMOTOR SYSTEM DISEASES AND PHYSICAL AND REHABILITATION MEDICINE</p> <p>BIO/12 CLINICAL BIOCHEMISTRY AND CLINICAL MOLECULAR BIOLOGY</p> <p>BIO/18 GENETICS</p> <p>MED/07 MICROBIOLOGY AND CLINICAL MICROBIOLOGY</p> <p>VET/05 INFECTIOUS AND PARASITIC DISEASES OF ANIMALS</p> <p>BIO/16 HUMAN ANATOMY</p> <p>MED/09 INTERNAL MEDICINE</p> <p>MED/04 GENERAL AND CLINICAL PATHOLOGY</p> <p>MED/16 BLOOD DISEASES, ONCOLOGY AND RHEUMATOLOGY</p> <p>MED/26 NEUROLOGY</p>
CONTESTS	<p>3 places with a university fellowship</p> <p>1 place with fellowship funded by the Department of Biomedical Sciences</p> <p>1 place (following a special agreement signed with the University) for employees of companies engaged in highly qualified activities or for employees of public research institutes and centers engaged in highly qualified activities (with salary keeping)</p>

	<p>1 place with scholarship from the University on the subject of tied research "<i>Cardiovascular and neurological diseases biomarkers</i> " to be managed in collaboration with the PhD course in Archaeology, History and Humanities</p> <p>21 places reserved for Scholars from foreign countries from Shantou University</p>
METHOD OF EVALUATION	Titles and interview
SCORING	30 points for the titles and 70 for the interview
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>Tematica 1: Iron accumulation and functional impairment of nigrostriatal pathways in neurological diseases studied by transcranial sonography</p> <p>Tematica 2: Movement ecology in upper vertebrates</p> <p>Tematica 3: Liquid biomarkers of solid tumors</p> <p>Tematica 4: liver cancer diagnosis and treatment</p> <p>Tematica 5: TCR e BCR T cells clonotypes</p> <p>Tematica 6: biomechanics, design and materials of prosthetic implants in orthopedics</p> <p>Tematica 7: Cardiovascular and neurological diseases biomarkers</p>
INDICATIONS CONCERNING THE RESEARCH PROJECT	This course does not require the submission of a research project among the documents enclosed with the application form
DIRECTIONS ON THE ORAL TEST	During the oral presentation, candidates may present research projects within the above-mentioned themes also by means of a Power Point presentation (max. 10 min)

PHD COURSE IN	AGRICULTURAL SCIENCES
ADMINISTRATIVE HEADQUARTERS	University of Sassari
COORDINATOR	Ignazio Floris - ifloris@uniss.it
TRAINING OBJECTIVES	<p>The aim of the course is to train highly qualified PhDs who are able to meet the highly qualified and able to meet the demand for research and development and high professional qualification in the fields of agrometeorology and plant ecophysiology; agricultural crop productivity productivity of agricultural crops; management and protection of agricultural and forestry management and protection of agricultural and forestry production systems; conservation, protection and conservation, protection and enhancement of natural resources regional, national and international production needs and international production needs; breeding and reproduction techniques, applied genetics and selection of zootechnical animals and selection of zootechnical animals also with the use of molecular biology quality and safety of food products of animal origin. of animal origin.</p> <p>In the three years doctoral students acquire the scientific method and the skills necessary the scientific method and the skills needed to prepare experimental projects, conducting experimental plans and laboratory activities, data and laboratory activities, data processing and the evaluation of statistical and experimental the dissemination of research results according to international standards. according to international standards. The course pursues internationalisation through the preparation of agreements with foreign agreements with foreign universities and promotes the acquisition of recognised European and international qualifications</p>
AREAS OF INTEREST	<p>AGR/01 AGRICULTURAL ECONOMICS AND VALUATION</p> <p>AGR/02 AGRONOMY AND HERBACEOUS AND HORTICULTURAL SYSTEMS</p> <p>AGR/03 SCIENCE AND TECHNOLOGY OF TREE AND FOREST SYSTEMS</p> <p>AGR/07 AGRICULTURAL CHEMISTRY, AGRICULTURAL GENETICS AND PEDOLOGY</p> <p>AGR/08 AGRICULTURAL, FORESTRY AND BIOSYSTEMS ENGINEERING</p> <p>AGR/09 AGRICULTURAL, FORESTRY AND BIOSYSTEMS ENGINEERING</p> <p>AGR/11 PLANT PATHOLOGY AND ENTOMOLOGY</p> <p>AGR/12 PLANT PATHOLOGY AND ENTOMOLOGY</p>

	<p>AGR/13 AGRICULTURAL CHEMISTRY, AGRICULTURAL GENETICS AND PEDOLOGY</p> <p>AGR/15 FOOD SCIENCE AND TECHNOLOGY</p> <p>AGR/16 AGRICULTURAL MICROBIOLOGY</p> <p>AGR/17 ANIMAL SCIENCE AND TECHNOLOGY</p> <p>AGR/18 ANIMAL SCIENCE AND TECHNOLOGY</p> <p>AGR/19 ANIMAL SCIENCE AND TECHNOLOGY</p> <p>AGR/14 AGRICULTURAL CHEMISTRY, AGRICULTURAL GENETICS AND PEDOLOGY</p> <p>AGR/10 AGRICULTURAL, FORESTRY AND BIOSYSTEMS ENGINEERING</p> <p>AGR/04 AGRONOMY AND HERBACEOUS AND HORTICULTURAL SYSTEMS</p> <p>BIO/02 BOTANY</p> <p>BIO/03 BOTANY</p> <p>AGR/05 SCIENCE AND TECHNOLOGY OF TREE AND FOREST SYSTEMS</p>
<p>CONTESTS</p>	<p>Curriculum in Agrometeorology and Ecophysiology of Agricultural and Forestry Systems 1 place with a University scholarship 2 places reserved for foreign scholarship holders from the Université Libanaise</p> <p>Curriculum in Agro-food microbial biotechnologies 1 place with an academic scholarship 1 place reserved for foreign scholarship holders from the Université Libanaise</p> <p>Curriculum in Desertification and Land degradation 1 place with a scholarship funded by H2020-SFS-2018-2020 in the framework of the of the EWA-BELT project (GA n. 862848)</p> <p>Curriculum in Monitoring and control of agricultural and forest ecosystems in the forest ecosystems in the Mediterranean environment 2 places with a University scholarship co-financed by the Department of Agriculture 1 place reserved for scholarship holders from foreign countries coming from the Ss. Cyril and Methodius University 1 place reserved for foreign scholarship holders from the Université Libanaise 1 place with a scholarship financed by Natura s.r.l. on the subject "The works for the environmental rehabilitation of the areas located in Scala Erre in Canaglia"</p> <p>Curriculum in Productivity of cultivated plants 1 place with a University scholarship</p> <p>Curriculum in Animal Science and Technology 2 places with an University grant co-financed by the Department of Agriculture 1 place with scholarship from the University on the subject of tied research "<i>Development of mathematical models for the analysis and interpretation of data produced by instruments for precision animal husbandry</i>"</p>

	<p>to be managed in collaboration with the PhD course in Veterinary Science</p> <p>1 place reserved for foreign scholarship holders from the Université Libanaise</p>
METHOD OF EVALUATION	Titles and interview
SCORING	30 points for the titles and 70 for the interview
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>Curriculum in Agrometeorology and Ecophysiology of Agricultural and Forestry Systems and forestry systems</p> <ul style="list-style-type: none"> - Evaluation and valorisation of ecosystem services in tree systems; <i>Place reserved for foreign scholarship holders from the Université Libanaise</i> - Mechanisms of resistance to water stress in Mediterranean tree crops; <p>Curriculum in Agro-food microbial biotechnology</p> <ul style="list-style-type: none"> - Innovative approaches to improve the quality of dairy products and by-products; <i>Place reserved for fellows from foreign countries coming from Université Libanaise</i> - Development of new technologies to improve nutritional and sensory of baked products; <p>Curriculum in Desertification and Land degradation</p> <ul style="list-style-type: none"> - Sustainable intensification of farming systems to combat land degradation and desertification; <p>Curriculum in Monitoring and control of agricultural and forest ecosystems in the</p> <ul style="list-style-type: none"> - Survey, analysis and monitoring of flora and plant communities in areas where recovering or restoration projects are taking place; - Biodiversity and ecology of truffles in Mediterranean forest ecosystems; - Development of a standardised methodology for the quantification of biomechanical properties of roots in wildlife engineering; <i>Place reserved for fellows from foreign countries coming from the Université Libanaise</i> - The role of Ambrosia beetles and other Xylophagous Insects in the spread of Diplodia corticola in declining oak forest; <i>Place reserved for foreign fellows from Ss. Cyril and Methodius University</i> - Characterization of biomechanical properties of root systems of forest species in the Republic of North Macedonia; <p>Curriculum in Crop Productivity</p> <ul style="list-style-type: none"> - Genomics approaches for the genetic improvement of cultivated plants; <p>Curriculum in Animal Science and Technology</p> <ul style="list-style-type: none"> - Study and development of systems for augmented reality in agriculture; - Modelling applied to animal nutrition for the improvement of technical and feed efficiency of small ruminants; - Development of mathematical models for the analysis and interpretation of data produced by precision animal husbandry instruments <i>Place reserved for fellows from foreign countries coming from the Université Libanaise</i> - Effects of nutrition and environmental factors on reproduction of sheep and goats
INDICATIONS CONCERNING THE RESEARCH PROJECT	This course does not require the submission of a research project among the documents enclosed with the application form
DIRECTIONS ON THE ORAL TEST	During the oral presentation, candidates may present research projects within the above-mentioned themes also by means of a Power Point presentation (max. 10 min)

PHD COURSE IN	BIOMEDICAL SCIENCES
ADMINISTRATIVE HEADQUARTERS	University of Sassari – in agreement with Charles University (Czech Republic)
COORDINATOR	Margherita Maioli – mmaioli@uniss.it
TRAINING OBJECTIVES	<p>The PhD course in Biomedical Sciences has the general objective of to train highly qualified researchers in scientific and methodological areas scientific and methodological areas of great relevance for basic and applied research in the field of biomedical sciences.</p> <p>and applied research in the field of biomedical sciences.</p> <p>The training and research activity is characterised by a multidisciplinary approach multidisciplinary approach that allows the development of topics proposed within the following curricula:</p> <ul style="list-style-type: none"> - Biology and Genetics - Medical physiopathology - Gender medicine of men, women and children - Neuroscience - Molecular Oncology - Public health <p>The training objective will be pursued, also in collaboration with with other Italian or foreign universities or following agreements with public and private with public and private entities possessing the requisites of high cultural and scientific and scientific qualifications, as well as suitable staff, facilities and equipment. facilities and equipment</p>
AREAS OF INTEREST	<p>BIO/09 PHYSIOLOGY</p> <p>BIO/13 APPLIED BIOLOGY</p> <p>BIO/14 PHARMACOLOGY, CLINICAL PHARMACOLOGY AND PHARMACOGNOSY</p> <p>BIO/16 HUMAN ANATOMY</p> <p>BIO/17 HISTOLOGY</p> <p>ING-INF/06 BIOENGINEERING</p> <p>M-EDF/01 EXERCISE AND SPORTS SCIENCE</p> <p>MED/01 GENERAL AND APPLIED HYGIENE, NURSING SCIENCE AND MEDICAL STATISTICS</p> <p>MED/03 MEDICAL GENETICS</p> <p>MED/04 GENERAL AND CLINICAL PATHOLOGY</p> <p>MED/06 BLOOD DISEASES, ONCOLOGY AND RHEUMATOLOGY</p> <p>MED/07 MICROBIOLOGY AND CLINICAL MICROBIOLOGY</p> <p>MED/08 PATHOLOGICAL ANATOMY</p> <p>MED/09 INTERNAL MEDICINE</p> <p>MED/10 CARDIOVASCULAR AND RESPIRATORY DISEASES</p> <p>MED/11 CARDIOVASCULAR AND RESPIRATORY DISEASES</p>

	<p>MED/12 SKIN DISEASES, INFECTIOUS DISEASES AND DISEASES OF THE DIGESTIVE SYSTEM</p> <p>MED/14 ENDOCRINOLOGY, NEPHROLOGY, NUTRITION AND WELLNESS SCIENCES</p> <p>MED/15 BLOOD DISEASES, ONCOLOGY AND RHEUMATOLOGY</p> <p>MED/17 SKIN DISEASES, INFECTIOUS DISEASES AND DIGESTIVE DISEASES</p> <p>MED/18 GENERAL SURGERY</p> <p>MED/19 PLASTIC AND RECONSTRUCTIVE SURGERY, PAEDIATRIC SURGERY AND UROLOGY</p> <p>MED/28 ODONTOSTOMATOLOGICAL DISEASES</p> <p>MED/29 NEUROSURGERY AND MAXILLOFACIAL SURGERY</p> <p>MED/30 VISUAL APPARATUS DISEASES</p> <p>MED/31 OTOLARYNGOLOGY AND AUDIOLOGY</p> <p>MED/36 DIAGNOSTIC IMAGING, RADIOTHERAPY AND NEURORADIOLOGY</p> <p>MED/38 GENERAL AND SPECIALIST PAEDIATRICS AND CHILD NEUROPSYCHIATRY</p> <p>MED/40 GYNAECOLOGY AND OBSTETRICS</p> <p>MED/41 ANAESTHESIOLOGY</p> <p>MED/42 GENERAL AND APPLIED HYGIENE, NURSING AND MEDICAL STATISTICS</p> <p>MED/49 ENDOCRINOLOGY, NEPHROLOGY, NUTRITION AND WELL-BEING SCIENCES</p>
<p>CONTESTS</p>	<p>Biology and Genetics Curriculum 1 place with a scholarship reserved for candidates who graduated from foreign universities 1 place with a University scholarship</p> <p>Medical Physiopathology Curriculum 1 place reserved (following an agreement with the University) for employees of the companies engaged in highly qualified employees of public research institutes and centres engaged in highly qualified activities (with salary maintenance)</p> <p>Curriculum in Gender, Man, Woman and Child Medicine 1 place with University scholarship</p> <p>Curriculum in Neuroscience 1 place with University scholarship 1 place with a University scholarship for a research topic related to the "STEP Project (Sardinia, Territoriality and Preventive Exercise): enhancement of territorial resources through the promotion of active lifestyles" to be managed in collaboration with the Doctorate Course in Cultures, Literatures, Tourism and Territory 1 place reserved (following an agreement with the University) for employees.(following an agreement with the University) to employees of companies engaged in highly qualified or employees of public institutes</p>

	<p>and research centres engaged in highly qualified activities research centres engaged in highly qualified activities (with salary maintenance)</p> <p>Curriculum in Public Health</p> <p>1 place reserved (following an agreement with the University) for employees of the (following an agreement with the University) for employees of companies engaged in highly qualified or employees of public research institutes and centres engaged in highly qualified research centres engaged in highly qualified activities (with salary maintenance)</p>
METHOD OF EVALUATION	Titles and interview
SCORING	30 points for the titles and 70 for the interview
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>Curriculum in Biology and Genetics</p> <ul style="list-style-type: none"> - Bioactive molecules of natural origin and stem cell differentiation; <p><i>Place with scholarship reserved for candidates who graduated from foreign universities:</i></p> <ul style="list-style-type: none"> - Nanomaterials and stem cells in regenerative medicine; <p>Curriculum in Medical Pathophysiology</p> <ul style="list-style-type: none"> - Hemorrhagic risk assessment in the patient with atrial fibrillation. Aspects related to amyloidotic vascular encephalopathy; - Comparative assessment of right ventricular function and haemodynamics of the pulmonary circulation in patients with pulmonary parenchymal disease; <p>Curriculum in Gender, Men, Women and Children's Medicine</p> <ul style="list-style-type: none"> - Gender Medicine in Gynaecology - Gender Medicine in Obstetrics; <p>Curriculum in Neuroscience</p> <ul style="list-style-type: none"> - Pre-clinical research on neurodegenerative diseases; - STEP project (Sardinia, Territoriality and Preventive Exercise): enhancement of territorial resources through the promotion of active lifestyles; - Clinical, neurophysiological and metabolic assessment of fatigue and cortico-spinal function in immune-mediated diseases of the nervous system; - Other subjects on topics inherent in the curriculum title itself <p>Curriculum in Public Health</p> <ul style="list-style-type: none"> - Environment and health: land protection; environmental rehabilitation
INDICATIONS CONCERNING THE RESEARCH PROJECT	This course does not require the submission of a research project among the documents enclosed with the application form
DIRECTIONS ON THE ORAL TEST	<p>The oral test will focus on the candidates' motivational issues knowledge and interests in the areas of the above topics, specific to the different curricula.</p> <p>above, specific to the different curricula. I candidates may use a Power Point presentation (10/15 DIA max. Power Point presentation (10/15 DIA max). During the knowledge of English will be tested during the interview</p>

PHD COURSE IN	JURIDICAL SCIENCES
ADMINISTRATIVE HEADQUARTERS	University of Sassari
COORDINATOR	Michele Comenale Pinto – comenale@uniss.it
TRAINING OBJECTIVES	<p>The objective pursued by the PhD course is higher education in the field of law, with specific attention to the two curricula under consideration, which respond to needs that are particularly felt in the area where the doctorate operates, but which also meet the needs of the students. in the area in which the PhD course operates, but with the intention of being able to attract scholars from other areas of Italy and abroad, continuing the successful experience of the legal specialisation of the previous Doctoral School in Law and Economics of Production Systems at the University of Sassari, which has been in operation for over a century.</p> <p>of the University of Sassari, from which the didactic and scientific project of the current PhD course derives to a large extent (and as was the case for the previous edition of this course).</p> <p>From the experience of the Doctoral School in Law and Economics of Production Systems, the course also borrows a strong focus on the interrelations between law and the economic world and the desire to stimulate inter-individual cooperation between researchers, overcoming the individualistic approach that tends to characterise research in the legal field. The doctorate aims to provide the necessary tools for learning suitable research methodologies through the organisation of in-depth seminars, conferences and external collaborations. This activity is aimed at training scholars who demonstrate the maturity achieved through an original monographic study that makes an adequate scientific contribution to legal research in the areas of the curricula activated: Transport and Navigation Law, Business and Production Systems; Law and Culture.</p>
AREAS OF INTEREST	<p>IUS/01 PRIVATE LAW</p> <p>IUS/02 COMPARATIVE LAW</p> <p>IUS/04 COMMERCIAL LAW</p> <p>IUS/06 LAW OF ECONOMICS, FINANCIAL MARKETS, AGRICULTURE AND SHIPPING LAW</p> <p>IUS/10 ADMINISTRATIVE LAW</p> <p>IUS/17 CRIMINAL LAW</p> <p>IUS/21 COMPARATIVE LAW</p> <p>IUS/20 PHILOSOPHY OF LAW</p> <p>IUS/16 CRIMINAL PROCEDURAL LAW</p> <p>IUS/08 CONSTITUTIONAL LAW</p> <p>IUS/12 TAX LAW</p> <p>IUS/18 ROMAN LAW AND THE RIGHTS OF ANTIQUITY</p> <p>IUS/09 CONSTITUTIONAL LAW</p> <p>IUS/15 CIVIL PROCEDURAL LAW</p>
CONTESTS	3 places with a University scholarship

	4 places reserved (following an agreement with the University) for employees of the companies engaged in highly qualified employees of public research institutes and centres engaged in highly qualified activities (with salary maintenance)
METHOD OF EVALUATION	Titles, research project and interview
SCORING	30 points for the titles, 20 for the research project and 50 for the interview
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>Theme 1: Transport law, shipping law (maritime, aviation and aerospace), business and production systems;</p> <p>Theme 2: Law and Culture;</p> <p>Theme 3: Environmental sustainability and the New Green Deal;</p> <p>Topic 4: Gender inequalities. Legal analysis and institutional profiles.</p> <p>Topic 5: Emergencies, security and freedom.</p> <p>The candidate will have to develop their project on topics falling under one of the above themes</p>
INDICATIONS CONCERNING THE RESEARCH PROJECT	The project may be drawn up in Italian or English, contain a hypothesis on how the research should be structured and be accompanied by appropriate legal, jurisprudential and bibliographical reference
DIRECTIONS ON THE ORAL TEST	<p>The candidate will be asked to discuss the subject of his/her project and his/her study and research interests.</p> <p>During the interview, knowledge of the foreign language indicated by the candidate from among those listed below for this PhD course will be tested: English, French, Spanish, German, Portuguese. During the test, the candidate's ability to read and understand a technical text will be tested, as well as his/her conversational skills</p>

PHD COURSE IN	VETERINARY SCIENCES
ADMINISTRATIVE HEADQUARTERS	University of Sassari - in agreement with Chungnam National University (South Korea) and Universidad Autonoma de Barcelona (Spain)
COORDINATOR	Fiammetta Berlinguer - berling@uniss.it
TRAINING OBJECTIVES	<p>The aim of the PhD course is to train qualified researchers in the disciplines of veterinary sciences through multidisciplinary scientific and cultural training, which is also transferred through the provision of highly qualified specialist teaching. In line with the two curricula, the specific training objectives of the course are</p> <ul style="list-style-type: none"> - to possess a thorough and up-to-date knowledge of the mechanisms underlying the processes inherent to reproductive and productive biology and animal welfare conditions, with the aim of developing specific knowledge for the development and application of biotechnologies in animal reproduction and to improve the reproductive performance and profitability of livestock farms; - to acquire knowledge and technical experience of animal production in order to improve its quality through the careful management of resources and production processes - to develop specific knowledge for the study of animal diseases and parasites, also in order to develop all those control measures that, through the optimisation of pharmacological interventions, can allow the quantitative and qualitative improvement of productions; - to deepen knowledge in the field of microbiology, epidemiology and infectious diseases and to develop specific skills in the study of pathogenesis, immunity and the control of transversal infectious diseases and zoonoses - to study the latest surgical, obstetrical and internal medicine techniques in order to improve and update veterinary clinical practice - to develop specific skills in the fields of pharmacology and toxicology, food microbiology, the control of abiotic contaminations, the methodologies necessary to achieve quality certification of the company system and the policies of quality marks recognised at EU level in order to enhance the value of animal products and develop innovative processing techniques
AREAS OF INTEREST	<p>VET/02 VETERINARY PHYSIOLOGY VET/03 GENERAL PATHOLOGY AND VETERINARY PATHOLOGICAL ANATOMY VET/04 INSPECTION OF FOOD OF ANIMAL ORIGIN VET/05 INFECTIOUS DISEASES OF ANIMALS VET/06 PARASITOLOGY AND PARASITIC DISEASES OF ANIMALS VET/07 VETERINARY PHARMACOLOGY AND TOXICOLOGY VET/08 VETERINARY MEDICAL CLINIC VET/09 VETERINARY SURGICAL CLINIC VET/10 VETERINARY OBSTETRICS CLINIC AGR/17 GENERAL ZOOTECHNICS AND GENETIC IMPROVEMENT AGR/18 ANIMAL NUTRITION AND FEEDING AGR/19 SPECIAL ANIMAL HUSBANDRY</p>

<p>CONTESTS</p>	<p>Food Production, Quality and Safety Curriculum 1 place with a University scholarship 1 place reserved (following an agreement with the University) for employees of the companies engaged in highly qualified employees of public research institutes and centres engaged in highly qualified activities (with salary maintenance)</p> <p>Curriculum in Reproduction, Animal Pathology, Breeding and Welfare 2 places with a University scholarship 2 places reserved for fellows from foreign countries from the Université Libanaise 1 place reserved (following an agreement with the University) for employees of the companies engaged in highly qualified employees of public research institutes and centres engaged in highly qualified activities (with salary maintenance)</p>
<p>METHOD OF EVALUATION</p>	<p>Titles and interview</p>
<p>SCORING</p>	<p>30 points for the titles and 70 for the interview</p>
<p>VALID TOPICS FOR PROJECT AND INTERVIEW</p>	<p>Curriculum in Food Production, Quality and Safety - Innovation of methodologies for the management of food safety and official controls in the milk and meat sectors - Food safety in the bivalve mollusc chain Curriculum in Animal reproduction, pathology, breeding and welfare - From histopathology to molecular biology: study of aquatic animal diseases in a One Health perspective - Cardiology and cardiovascular ultrasound in domestic animals <i>Place reserved for foreign fellows from Libanaise University</i> - Parasites of zoonotic interest in Southern Europe and Lebanon - Ultrasonography in veterinary medicine</p>
<p>INDICATIONS CONCERNING THE RESEARCH PROJECT</p>	<p>This course does not require the submission of a research project among the documents enclosed with the application form</p>
<p>DIRECTIONS ON THE ORAL TEST</p>	<p>The interview will be used to assess knowledge of English the candidate's knowledge of the English language, motivation and the candidate's motivation and aptitude for research, as well as the possession of specific themes of the call for applications. In particular, during the interview the candidate interview must present, also through the use of a Power Point presentation, the application of the scientific method on concrete examples relevant to one of the themes of the call for proposals (objective of the research, experimental design and methods used, expected results and their implications). The presentation must have no longer than 10 minutes</p>