

PHD COURSE IN	ARCHAEOLOGY, HISTORY AND HUMAN SCIENCES
COORDINATOR	Maria Grazia Melis – mgmelis@uniss.it
TRAINING OBJECTIVES	<p>The main purpose of the Course is to train graduates in advanced research, supporting the increase of knowledge in the disciplines that characterise it, methodological skills, the ability to independently conduct high-level research activities, and the ability to compare and dialogue within the scientific community and with the general public.</p> <p>PhD students will have the concrete opportunity to take part in the numerous scientific activities carried out by the members of the Board and by the scholars who will be called upon to intervene with initiatives of a didactic nature as part of their training. The numerous research activities, in the laboratory and in the field, which are concentrated not only in Sardinia but also in France, Spain, Romania, Tunisia and Lebanon, will be able to count on the active involvement of PhD students. Through a high-level training process, specifically dedicated to refining the critical tools of scientific research, PhD students will be able to familiarise themselves with the methodologies of data collection and processing, up to the realisation of original research paths that will lead them to acquire the skills to publish scientific works in monographic form or in the form of articles for indexed journals.</p>
AREAS OF INTEREST (SSD)	L-ANT/01 L-ANT/02 L-ANT/03 L-ANT/07 L-ANT/10 L-ART/01 L-FIL-LET/04 L-FIL-LET/12 L-OR/06 M-FIL/03 M-FIL/06 M-PED/03 M-STO/01 M-STO/04 VET/01
METHOD OF EVALUATION	Titles, research project and interview (30+20+50)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>no. 3 fellowships funded on DM 118/2023, Cultural Heritage Themes: 1 - The peripheries at the centre: enhancement procedures for marginal cultural contexts; 2 - Historical, archaeological, artistic, linguistic, literary heritage: research processes, protection, valorisation; 3 - Bioarchaeology as an element of involvement and activation of contemporary social contexts ("heritage communities"), in the wake of the Faro Convention.</p> <p>no. 1 fellowship funded on DM 118/2023, Public Administration Theme:</p>

	Gender differences and peripheral subjectivities in territorial government and public administration.
VALID TOPICS FOR PROJECT AND INTERVIEW	The same themes already indicated for the scholarships should be used
INDICATIONS CONCERNING THE RESEARCH PROJECT	The research project must be written in a maximum of 4500 characters including spaces and excluding the bibliography.
DIRECTIONS ON THE ORAL TEST	The interview will take place online

PHD COURSE IN	ARCHITECTURE AND ENVIRONMENT
COORDINATOR	Fabio Bacchini – bacchini@uniss.it
TRAINING OBJECTIVES	<p>The aim of the PhD programme in Architecture and Environment is to train a researcher capable of understanding built spaces and their relationships with the environment and landscape in order to design their management and transformation. In particular, the perspective of the PhD programme is to train new researchers capable of reflecting within action and learning in a self-formative process. The primary objective of the course is to generate new scientists, professionals and entrepreneurs capable of achieving international prominence.</p> <p>The PhD Course promotes a systemic and multidisciplinary approach, in which the contents, objectives and research methodologies are consistent with the individual research topics and are open to an interdisciplinary approach as proposed by the course design. The various disciplines that are part of the doctoral programme aim to work in an innovative and sustainable manner with respect to the challenges of an ever-changing society, dealing with material and immaterial objects in relation to the structures and functions of complex ecosystems.</p> <p>In addition to the basic objectives typical of the third cycle of Higher Education, which envisage the perfect mastery of sources within a disciplinary framework relating to one's research, good writing skills in a scientific and academic context and the ability to transmit scientific results through appropriate forms of communication, the PhD Course in Architecture and Environment has as its peculiar objectives the construction of specific contents relating to a research method that responds to specific themes of investigation of the various disciplines pertaining to the course and the construction of operative methodologies that envisage an analytical-constructive reading parallel to a profound reflection on action. The interoperable components between the different fields, in collaboration with various research organisations and territorial government structures, aim to provide research and training capacities that enable the future PhD to respond to issues of particular complexity and specificity even in non-academic environments, such as private companies and local authorities.</p>
AREAS OF INTEREST (SSD)	<p>AGR/14 BIO/03 BIO/07 GEO/02 GEO/03 GEO/04 GEO/08 GEO/09 ICAR/05 ICAR/08 ICAR/12 ICAR/13 ICAR/14 ICAR/17 ICAR/18 ICAR/19 ICAR/20 ICAR/21</p>

	<p>ING-INF/05 L-ANT/09 MAT/05 MED/42 M-DEA/01 M-FIL/01 M-FIL/02 M-FIL/03 M-FIL/04 M-FIL/05</p>
METHOD OF EVALUATION	<p>Titles and interview (30+70)</p>
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>No. 3 fellowships funded on DM 118/2023, PNRR Theme: Enhancement and regeneration of tangible and intangible cultural heritage, revitalisation of places and territories, climate change, environmental conservation and rethinking, ecological transition, cultural and creative industries, new learning spaces: the role of scientific knowledge, philosophical and historical reflection and urban, architectural and design projects.</p> <p>No. 1 fellowship funded on DM 118/2023, Public Administration Theme: Enhancement and regeneration of tangible and intangible cultural heritage, revitalisation of places and territories, climate change, environmental conservation and rethinking, ecological transition, cultural and creative industries, new learning spaces: the role of scientific knowledge, philosophical and historical reflection and urban, architectural and design projects, from a multidisciplinary perspective, in relation to public administrations understood as complex systems acting - adaptively - in the environment around them.</p> <p>No. 1 fellowship funded on DM 117/2023 in cooperation with the Consorzio Industriale Provinciale Nord Est Sardegna - Gallura Theme: Environmentally oriented urban regeneration</p> <p>No. 1 fellowship funded on DM 117/2023 in collaboration with the firm Correa Granados Architects s.r.l. Theme: Methods, techniques and tools for project representation</p> <p>1 fellowship funded on DM 117/2023 in collaboration with the firm Indagini Strutturali s.r.l. Theme: Innovative mathematical models for the analysis of the structural strength</p> <p>no. 1 fellowship funded by the Department of Architecture Design and Urban Planning Theme: Innovative and inclusive urban regeneration and housing policies</p> <p>n. 1 place reserved for Foreign Scholars from the Universidade Estadual Paulista "Júlio de Mesquita Filho" Theme:</p>

	Contribution to actions to optimise the use of natural resources and increase forest productivity in the medium to long term with a view to environmental and socio-economic sustainability
VALID TOPICS FOR PROJECT AND INTERVIEW	The same themes already indicated for the scholarships should be used
INDICATIONS CONCERNING THE RESEARCH PROJECT	<p>The research project can be written either in Italian or in English (candidates from UNESP are allowed to write it in Portuguese). Research projects should not exceed 5000 characters (including spaces and excluding the list of references) and should be articulated into the following sections: Title (maximum 70 characters); Short research question (maximum 150 characters); Goals; Positioning of the research project with regard to the state of the art in the relevant disciplinary field(s); Methodology; Social and practical implications; Originality.</p> <p>The research project will not receive a separate panel score and will rather be used as a basis for discussion during the interview.</p>
DIRECTIONS ON THE ORAL TEST	The interview can optionally be held online or in-person

PHD COURSE IN	CULTURES, LITERATURES, RIGHTS, TOURISM AND TERRITORY
COORDINATOR	Carla Bassu – carlabassu@uniss.it
TRAINING OBJECTIVES	<p>PhD students in the PhD Course in Cultures, Literatures, Rights, Tourism and Territory will have to:</p> <ul style="list-style-type: none"> - develop a theoretical-critical instrumentation adapted to the complex cultural and social scenario generated by globalisation, going back to its social and linguistic cultural roots, in the context of pluralist democracy; - 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 authorities and communities in the perspective of democratic social order; - increase their linguistic, sociological and literary knowledge with a view to broadening their research horizons and international mobility; - provide skills for the use of new research methods through new technologies; - develop skills and research methodologies in relation to cultural activities linked to the territory with a view to economic enhancement; - develop skills relating to technological tools for analysing spatial data
AREAS OF INTEREST (SSD)	<p>IUS/21 L-ANT/01 L-ART/03 L-ART/06 L-ART/07 L-FIL-LET/08 L-FIL-LET/10 L-FIL-LET/11 L-FIL-LET/13 L-LIN/01 L-LIN/04 L-LIN/05 L-LIN/10 L-LIN/14 M-DEA/01 M-FIL/05 M-GGR/01 M-GGR/02 M-PSI/05 SECS-P/13 SPS/07</p>
METHOD OF EVALUATION	Titles, research project and interview (30+20+50)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>2 fellowships funded on DM 118/2023, PNRR Themes: 1 - Economic peripheries and prospects for social inclusion; 2 - Digital innovation for territorial monitoring;</p> <p>no. 2 fellowships funded on DM 118/2023, Public Administration Themes:</p>

	<p>1 - PA institutional communication: communicating local knowledge and products, between tradition and digital innovation, from local to global; 2 - Development and enhancement of the Paulilatino territory through the acquisition, digitisation and accessibility of its archaeological heritage within the framework of the promotional activities undertaken by the PA;</p> <p>No. 2 fellowships funded on DM 117/2023 in cooperation with the firm Be Ethical Themes: 1 - Assessing the impact of European projects on the debate and practice of AI ethics; 2 - In AI ethics, organisational practices and remote consulting: a comparative study;</p> <p>1 fellowship funded by the Department of Humanities and Social Sciences Topic: Participatory processes and collective activation to generate and share knowledge and skills for soil protection;</p> <p>no. 1 position without fellowship Theme: The essay between autobiography and invention: variations, insights and critical writing in Slavic and Central European contexts of the 19th and 20th centuries (From Herzen to Gombrowicz, Canetti and Sebald)</p>
VALID TOPICS FOR PROJECT AND INTERVIEW	The same themes already indicated for the scholarships should be used
INDICATIONS CONCERNING THE RESEARCH PROJECT	The project must have a maximum length of 3 folders excluding the bibliography
DIRECTIONS ON THE ORAL TEST	The interview can optionally be held online or in-person

PHD COURSE IN	ECONOMICS, MANAGEMENT AND QUANTITATIVE METHODS
COORDINATOR	Dimitri Paolini - dpaolini@uniss.it
TRAINING OBJECTIVES	<p>The PhD in Economics, Management, and Quantitative Methods (EMQM) at the University of Sassari integrates analytical and theoretical training in economics and business sciences with a solid quantitative background.</p> <p>The PhD programme is distinguished by PhD students' training achieved with advanced courses and thesis preparation.</p> <p>The training requires learning advanced tools for theoretical, empirical and experimental analysis. The dissertation must demonstrate the ability to independently conduct original research at a level of excellence.</p> <p>Thanks to this special focus on interdisciplinary aspects and the variety of courses offered, the PhD Course enables the training of new original intellectual figures, characterised by innovative and transversal skills in the analysis of business and market dynamics. It also offers specialised higher education on economic and management themes, as well as on the most advanced methodologies and applications of mathematical and statistical models in these disciplines.</p> <p>The objectives described above are necessary to train PhDs capable of meeting future challenges and, in particular, to meet the demand for digital, technical and scientific skills.</p>
AREAS OF INTEREST (SSD)	M-GGR/02 SECS-P/01 SECS-P/02 SECS-P/07 SECS-P/08 SECS-P/09 SECS-S/04 SECS-S/05 SECS-S/06
METHOD OF EVALUATION	Titles, research project and interview (30+20+50)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>No. 3 fellowships funded on DM 118/2023, Public Administration Themes: 1 - Formulation, design and evaluation of public policies; 2 - Development of financial, management and economic skills for the change of public administrations as complex systems; 3 - Efficiency and cost-effectiveness of public action with special reference to the twin transitions (digital and ecological);</p> <p>No. 2 fellowships funded on DM 118/2023, PNRR Theme: Economics, Management and Quantitative Methods for innovation, competitiveness, culture, tourism and the twin transitions (digital and ecological)</p>
VALID TOPICS FOR PROJECT AND INTERVIEW	1 - Economics (Microeconomics, Macroeconomics, and Econometrics); 2 - Management (Financial Accounting, Business Administration, Public Management, Corporate Finance, Banking, and Marketing); 3 - Quantitative Methods (Applied Mathematics and Applied Statistics).

INDICATIONS CONCERNING THE RESEARCH PROJECT	The candidate must produce the research project, exclusively in English, and must present it in English during the interview using a presentation with slides (max. 10 slides).
DIRECTIONS ON THE ORAL TEST	Online

PHD COURSE IN	LIFE SCIENCES AND BIOTECHNOLOGIES
COORDINATOR	Leonardo Antonio Sechi - sechila@uniss.it
TRAINING OBJECTIVES	The course is organised over a three-year period and is characterised by structured training activities (face-to-face lectures, seminars and formal work-in-progress presentations, individual study and in-depth study) and broadly interdisciplinary research projects, in order to foster interactions and knowledge exchanges between fast-growing fields such as modern biological and biomedical sciences. The main research areas include: animal biology, molecular bases of physiological and pathological processes, human and veterinary medicine, microbial pathogenicity, infections and autoimmunity, biomedical engineering and artificial intelligence (AI), food and drug production, agricultural and animal husbandry development, environmental protection, animal biodiversity and bioengineering. The PhD programme promotes theoretical-experimental cultural training and multiple interactions with national and international public and private laboratories. This will enable students to deal with other study and research realities and will increase employment opportunities, even beyond the academic sphere. For study and research activities, periodic evaluations by the Board of teachers of individual students are foreseen in order to encourage their productivity, both in qualitative and quantitative terms.
AREAS OF INTEREST (SSD)	BIO/05 BIO/09 BIO/10 MED/07 MED/16 MED/26 ING-INF/06
METHOD OF EVALUATION	Titles and interview (30+70)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>4 fellowships funded on DM 118/2023, PNRR Themes: 1 - Predator-prey relationships between wolves, wild and domestic ungulates; 2 - Development of cellular and molecular models for the study of neurodegenerative diseases and ageing under extreme conditions; 3 - Role of Human Retroviruses in Tumours; 4 - Development of methods and models for the realisation of mixed reality environments for motor rehabilitation and exercise;</p> <p>No. 1 fellowship funded on DM 118/2023, Public Administration Theme: Optimisation of the role of the Data Scientist in a hospital company;</p> <p>no. 1 fellowship funded on DM 117/2023 in collaboration with the company Phareco s.r.l. Topic: Effect of natural bioactive compounds on cellular phenotype and functions</p> <p>No. 3 positions reserved for Scholars from foreign countries from Shantou University Topics:</p>

	<ol style="list-style-type: none">1 - Tumours and environment;2 - Neurodegenerative diseases;3 - Personalized medicine
VALID TOPICS FOR PROJECT AND INTERVIEW	The same themes already indicated for the scholarships should be used
INDICATIONS CONCERNING THE RESEARCH PROJECT	The research project must have a maximum length of 2 A4 pages
DIRECTIONS ON THE ORAL TEST	The interview can optionally be held online or in-person

PHD COURSE IN	AGRICULTURAL SCIENCES
COORDINATOR	Severino Zara - szara@uniss.it
TRAINING OBJECTIVES	<p>The course aims to train highly qualified PhDs capable of meeting the demand for research and development in the fields of:</p> <p>(i) agrometeorology and plant ecophysiology;</p> <p>(ii) productivity of agricultural crops;</p> <p>(iii) management and protection of agricultural and forestry production systems; conservation, protection and enhancement of natural resources;</p> <p>(iv) biotechnology aimed at regional, national and international production needs;</p> <p>v) breeding and reproduction techniques, nutrition and feeding, applied genetics and selection of zootechnical animals also with the use of molecular biology techniques, quality and safety of food products of animal origin.</p> <p>(vi) The study of forms of land degradation, understood as actual or potential loss of land productivity or utility due to natural or anthropogenic factors affecting food production and security, livelihoods, production and provision of other ecosystem goods and services.</p> <p>(vii) Factors and forces leading to land degradation and desertification.</p> <p>In the three years PhD students acquire the scientific method and the skills necessary for preparing experimental designs, conducting experimental plans and laboratory activities, mathematical-statistical data processing, evaluating statistical-experimental inferences and disseminating research results.</p>
AREAS OF INTEREST (SSD)	<p>AGR/01 AGR/02 AGR/03 AGR/04 AGR/07 AGR/08 AGR/09 AGR/10 AGR/11 AGR/12 AGR/13 AGR/14 AGR/15 AGR/16 AGR/17 AGR/18 AGR/19 AGR/20</p>
METHOD OF EVALUATION	Titles and interview (30+70)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>Curriculum in Agrometeorology and Ecophysiology of Agricultural and Forestry Systems</p> <p>No. 1 fellowship funded on DM 118/2023, PNRR</p> <p>Theme: Management and use of biodiversity and agro-biodiversity for the sustainability of crop systems;</p>

Curriculum in **Microbial Biotechnology and Food Technology**

No. 1 fellowship funded on DM 118/2023, PNRR

Theme:

Study of microbial biodiversity of agri-food interest;

Curriculum in **Desertification and Land Degradation**

no. 1 fellowship funded on DM 118/2023, Public Administration

Theme:

Analysis of the drivers of land degradation and desertification in the Mediterranean area and support for the implementation of land policies to promote the provision of ecosystem services

Curriculum in **Monitoring and control of agricultural and forest ecosystems in the Mediterranean environment**

No. 1 fellowship funded by the Department of Agriculture on the NATMed project - "Nature-based Solutions on existing infrastructures for resilient Water Management in the Mediterranean", funded by the PRIMA programme (CUP J83C22002320006)

Theme:

Hydrological balance and denitrification dynamics in a Forest Infiltration Area (FIA)

No. 1 fellowship co-funded at 50% by the University and the Department of Agriculture on the basis of the Collaboration Agreement for the implementation of the National Biological Control Programme for the control in Italy of Halyomorpha halys through the use of its natural antagonist, the Scelionid Hymenoptera Trissolcus japonicus" stipulated between the Sardinian Regional Phytosanitary Service and the Research Institute on Terrestrial Ecosystems of the National Research Council (IRET CNR). CUP: E79J21009700002

Theme:

Investigation of allochthonous and autochthonous predators and parasitoids of Halyomorpha halys and other invasive alien insects in Sardinia

No. 1 fellowship co-funded 50% by the University and the Department of Agriculture on the basis of the technical-scientific cooperation agreement with RAS, Department of Agriculture and Agro-pastoral Reform, Agricultural and Food Production Sustainability and Quality Service, Regional Plant Protection Service - YEAR 2023".

Theme:

Development of precision techniques for the sustainable control of agricultural and forestry pests

No. 1 fellowship funded by the Department of Agriculture

Theme:

New approaches to the assessment of honey bee decline drivers

Curriculum in **Cultivated Plant Productivity**

No. 1 fellowship funded on DM 118/2023, PNRR

Theme:

Agronomic strategies for adaptation to climate change in viticulture

Curriculum in **Animal Science and Technology**

no. 1 fellowship funded on DM 118/2023, PNRR

Theme:

Innovation ecosystems and technology transfer in the agro-livestock sector

	<p>no. 1 fellowship funded on DM 117/2023 in collaboration with the company Inalca s.p.a. Theme: Biochar and regenerative farming</p> <p>No. 1 fellowship funded by the Department of Agriculture Theme: Feeding techniques and meat processing and preservation technologies for sheep meat production from lambs and culled adult ewes</p>
VALID TOPICS FOR PROJECT AND INTERVIEW	The same themes already indicated for the scholarships should be used
INDICATIONS CONCERNING THE RESEARCH PROJECT	Follow what is already stated in the call for applications
DIRECTIONS ON THE ORAL TEST	Online

PHD COURSE IN	BIOMEDICAL SCIENCES
COORDINATOR	Margherita Maioli - mmaioli@uniss.it
TRAINING OBJECTIVES	<p><u>General objective:</u> To train highly qualified researchers to be employed in both basic and applied research structures, both public and private. The training objective will also be pursued in collaboration with other Italian and foreign universities or by means of agreements with public and private entities possessing the requisites of high cultural and scientific qualification, as well as adequate personnel, facilities and equipment. The training of the PhD student will also be aimed at his/her insertion in the world of work and in the country's production system at public and private institutions.</p> <p><u>Specific objectives:</u></p> <ul style="list-style-type: none"> - focus the training and research activity on extended scientific and methodological areas of great relevance for basic and applied research in the field of biomedical sciences; - carry out the proposed topics within the curricula with an interdisciplinary approach; - document the results of scientific activity on the proposed topics by the lecturers involved in the training activity; - carry out specific aspects of the training activity within the framework of interchange projects established with public and private research bodies, both Italian and foreign, willing to host doctoral students in their facilities. <p>In order to achieve these training objectives, the PhD Course will set up a joint teaching committee, which will provide for the organisation, rationalisation and coordination of the teaching activity</p>
AREAS OF INTEREST (SSD)	BIO/09 BIO/13 BIO/14 BIO/16 BIO/17 CHIM/10 ING-INF/06 MED/01 MED/03 MED/04 MED/06 MED/07 MED/08 MED/09 MED/10 MED/12 MED/14 MED/15 MED/17 MED/18 MED/19 MED/28 MED/29 MED/30 MED/31 MED/35 MED/36

	<p>MED/38 MED/40 MED/41 MED/42 MED/49 M-EDF/01</p>
METHOD OF EVALUATION	<p>Titles, research project and interview (30+20+50)</p>
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>Curriculum in Biology and Genetics No. 1 fellowship funded on DM 118/2023, PNRR Theme: Novel approaches to counteract aging: from cellular mechanisms to tissue damages;</p> <p>Curriculum in Medical Physiopathology No. 1 fellowship funded on DM 117/2023 in collaboration with the firm Mater Olbia s.p.a. Theme: Clinical and experimental medicine applied to anaesthesia, analgesic therapy and critical patient care</p> <p>no. 1 position without fellowship Theme: Cardiovascular disease phenotype in systemic sclerosis</p> <p>Curriculum in Gender, Man, Woman and Child Medicine no. 1 position without fellowship Theme: Innovative surgical techniques in improving quality of life after demolitive surgery in breast malignancies</p> <p>Curriculum in Neuroscience No. 1 fellowship funded on DM 118/2023, Public Administration Theme: Study of the interactions between antecedent factors, mediators and determinants of non-return to employment in public administration of people diagnosed with neurological disorders and identification of possible solutions;</p> <p>No. 2 fellowships funded on DM 118/2023, PNRR Theme: Pathophysiological mechanisms of neurological and psychiatric diseases;</p> <p>Curriculum in Molecular Oncology No. 1 fellowship funded on DM 117/2023 in collaboration with the firm Service Life s.r.l. Theme: Digital pathology and artificial intelligence applied in clinical molecular pathology</p>
VALID TOPICS FOR PROJECT AND INTERVIEW	<p>The same themes already indicated for the scholarships should be used</p>
INDICATIONS CONCERNING THE RESEARCH PROJECT	<p>Please follow what is already stated in the call for applications.</p> <p>For the Curriculum in Neuroscience:</p>

	<p>The submission of a research project is required among the documentation attached to the competition application.</p> <p>The research project must have a maximum length of 1000 (one thousand) words, excluding bibliographical references.</p> <p>The project must indicate the chosen topic and must describe the research that the candidate intends to carry out during the three years of the PhD Course, in the following sections:</p> <p>Introduction and rationale Objectives Methods Expected results Bibliography</p>
DIRECTIONS ON THE ORAL TEST	<p>The interview can optionally be held online or in-person</p> <p>For the Curriculum in Neuroscience: Location (Pharmacology Library, Biomedical Complex of the University of Sassari, Viale San Pietro 43/c)</p>

PHD COURSE IN	JURIDICAL SCIENCES
COORDINATOR	Giuliana Giuseppina Carboni - dottoratosg@uniss.it
TRAINING OBJECTIVES	<p>The objective pursued by the Doctoral Course is that of Higher Education in the field of law, with specific attention to the various curricula, which respond to needs that are especially felt in the area in which the Doctoral Course operates, but with the intention of constituting a pole of attraction for scholars from other national areas and abroad. With regard to the first curriculum, the Course aims to provide doctoral students with tools for the legal analysis of supranational and state institutions, through recourse to doctrinal, jurisprudential and legislative formants. The curriculum also pays particular attention to the interactions between law and the economic world, and aims to stimulate inter-individual cooperation between researchers, overcoming the individualistic approach that usually characterises legal studies. With regard to the second curriculum, the Course intends to develop the study of the forms of protection of rights, activities and cultural heritage, which have assumed relevance not only at a national and international level, but also in the island's territory. The Course also aims to strengthen the international dimension of research in the field of culture, thanks to the numerous international agreements concluded with foreign universities involving European and non-European scholars. The objective of the third curriculum is to train PhDs able to give theoretical support to the study of rights in contemporary society, in which the dimension and extent of rights is changing due to rapidly evolving political, social, economic and cultural phenomena. The curriculum also aims to introduce innovative approaches to the themes of justice systems, with indepth studies of the new procedural paths introduced by the Cartabia reform and the study of alternative methods of dispute resolution. In terms of method, the Course intends 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 original monographic study, which makes an adequate scientific contribution to legal research.</p>
AREAS OF INTEREST (SSD)	<p>IUS/01 IUS/02 IUS/04 IUS/05 IUS/06 IUS/08 IUS/09 IUS/10 IUS/12 IUS/15 IUS/16 IUS/17 IUS/18 IUS/20 IUS/21</p>
METHOD OF EVALUATION	<p>Titles, written and interview (30+35+35) Titles, research project and interview (30+20+50) for the position reserved for candidates with a foreign qualification</p>

<p>CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)</p>	<p>No. 1 fellowship funded on DM 118/2023, Public Administration Theme: Models of justice and concept of law;</p> <p>no. 1 fellowship funded on DM 118/2023, Public Administration Theme: Models of territorial government in Italian and comparative law;</p> <p>no. 1 fellowship funded on MD 118/2023, PNRR Theme: Romanistic foundations of consumer protection in European law;</p> <p>1 position without fellowship reserved for candidates in possession of a qualification obtained abroad Theme: Law and rights in Ibero-American legal systems</p>
<p>VALID TOPICS FOR PROJECT AND INTERVIEW</p>	<p>The topics of the interview must be consistent with the themes associated with the scholarships</p>
<p>INDICATIONS CONCERNING THE RESEARCH PROJECT</p>	<p>Please follow what is already stated in the call for applications.</p>
<p>DIRECTIONS ON THE ORAL TEST</p>	<p>For candidates for positions financed on DM 118/2023, the interview will take place in person only. For candidates for positions without a scholarship, the interview may also be held online.</p>

PHD COURSE IN	VETERINARY SCIENCES
COORDINATOR	Fiammetta Berlinguer – berling@uniss.it
TRAINING OBJECTIVES	<p>The aim of the PhD course is to train qualified researchers in the disciplines belonging to the Veterinary Sciences through a multidisciplinary scientific and cultural education transferred also 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 in-depth 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; - acquire knowledge and technical experience regarding animal production in order to improve its quality through the prudent management of resources and production processes; - develop specific knowledge for the study of animal pathologies and parasitic diseases, also in order to develop all those control measures that, through the optimisation of pharmacological interventions, can allow the quantitative-qualitative improvement of production; - deepen knowledge in the fields of microbiology, epidemiology and infectious diseases and develop specific skills in the study of pathogenesis, immunity, and the control of transverse infectious diseases and zoonoses; - study in depth the latest surgical, obstetric and internal medicine techniques in order to improve and update veterinary clinical practice; - develop specific skills in the fields of pharmacology and toxicology, food microbiology, the control of abiotic contamination, the methodologies required to achieve quality system certification and the policies of EU recognised quality marks in order to enhance the value of animal products and develop innovative processing techniques.
AREAS OF INTEREST (SSD)	<p>VET/01 VET/02 VET/03 VET/04 VET/05 VET/06 VET/07 VET/08 VET/09 VET/10 AGR/17 AGR/18 AGR/19 BIO/05</p>
METHOD OF EVALUATION	Titles and interview (30+70)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>Curriculum in Reproduction, Pathology, Breeding and Animal Welfare No. 2 fellowships funded on DM 118/2023, PNRR Themes:</p>

	<p>1 - COMBAT (COMprehending Microbiome of BATs): exploring the microbiome of bats to investigate virus diversity and One Health implications;</p> <p>2 - ESMIS, Environmental Stress MITigation Strategies: soluzioni per mitigare l'impatto dello stress da caldo sulla fertilità negli allevamenti di bovine da latte;</p> <p>No. 1 fellowship funded on DM 118/2023, Public Administration Theme: Integrated spatial planning, aimed at maximising compatibility between renewable energy development and wildlife communities in the Region of Sardinia;</p> <p>Curriculum in Production, Quality and Food Safety No. 1 fellowship funded on DM 118/2023, PNRR Theme: Development of new pharmacological therapies for a sustainable small ruminant farming system</p>
<p>VALID TOPICS FOR PROJECT AND INTERVIEW</p>	<p>The topics to be indicated in this field refer only to the competition phase and may be the same as in the previous field. Should they differ, they must, however, be consistent with the topics associated with the research.</p> <p>Curriculum in Reproduction, Pathology, Breeding and Animal Welfare Fellowship funded on DM 118/2023, PNRR</p> <p>1 - COMBAT (COMprehending Microbiome of BATs): exploring the microbiome of bats to investigate virus diversity and One Health implications</p> <p>2 - ESMIS, Environmental Stress MITigation Strategies: soluzioni per mitigare l'impatto dello stress da caldo sulla fertilità negli allevamenti di bovine da latte. Il colloquio verterà sulle seguenti tematiche: 1) i principali fattori che determinano la fertilità nell'allevamento della bovina da latte; 2) lo stress da caldo nella bovina</p> <p>Fellowship funded on DM 118/2023, Public Administration</p> <p>1 - Integrated spatial planning aimed at maximising compatibility between renewable energy development and wildlife communities in the Region of Sardinia - The colloquium will focus on the following topics: i) impacts on wildlife physiology, biology and behaviour, related to anthropic presence and infrastructure development, with particular reference to energy infrastructures, ii) monitoring methods for wildlife welfare and population dynamics</p> <p>Curriculum in Production, Quality and Food Safety 1 - Development of new pharmacological therapies for a sustainable small ruminant farming system</p>
<p>INDICATIONS CONCERNING THE RESEARCH PROJECT</p>	
<p>DIRECTIONS ON THE ORAL TEST</p>	<p>Online.</p> <p>The interview will be aimed at assessing the candidate's knowledge of the English language, through the reading and comprehension of a technical text, his/her motivation and aptitude for research, as well as the possession of specific knowledge relating to the themes of the call. In particular, during</p>

the interview the candidate must present, also through the use of a power point presentation, the application of the scientific method on concrete examples relating to one of the themes of the call (objective of the research, experimental design and methods used, expected results and their implications). The presentation must be no longer than 10 minutes. The interview will take place in online mode.