

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>Doctoral 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 academics who will be called upon to intervene with initiatives of a didactic nature as part of their training. The numerous research activities, both 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 actively involving the PhD students. Through an intensive high-level training process, specifically dedicated to refining the critical tools of scientific research, the 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 papers in monographic form or in the form of articles for indexed journals.</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/10      ARCHAEOLOGY</p> <p>L-FIL-LET/04    LATIN LANGUAGE AND LITERATURE</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>
METHODS OF EVALUATION	Titles, research project and interview (30+20+50)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p><b>- 1 fellowship funded on DM 351/2022, Cultural Heritage:</b> From scientific research to virtual and material valorisation of movable cultural heritage. Tools and methods. The candidate shall present a case study</p> <p><b>- 1 fellowship funded on DM 351/2022, Cultural Heritage:</b></p>

	<p>Landscapes and structures between archaeology, history and diachronic development of cities and territories. Research, conservation, digitalisation and valorisation</p> <p><b>- 1 fellowship funded on DM 351/2022, Public Administration:</b> Complexity and Public Administration. Historical, cultural, environmental and linguistic specificities in the government and management of the territory</p> <p><b>- 1 fellowship funded on DM 351/2022, PNRR:</b> Sources, forms and methods in historical, literary and artistic research from the ancient world to contemporary social transformations and societies of inclusion. The candidate shall present a case study</p> <p><b>- 1 fellowship funded by the Fondazione di Sardegna:</b> Man, raw materials and the Mediterranean. Transformation, circulation, trade</p> <p><b>- 1 position reserved for employees of affiliated organisations:</b> From scientific research to the virtual and material valorisation of movable cultural heritage. Tools and methods. The candidate shall present a case study</p>
<p><b>VALID TOPICS FOR PROJECT AND INTERVIEW</b></p>	<p>The same themes already indicated for the fellowships should be used</p>
<p><b>GUIDELINES REGARDING THE RESEARCH PROJECT</b></p>	<p>For the research project a maximum of 4500 characters including spaces, and excluding bibliography, are allowed.</p>
<p><b>DIRECTIONS ON THE ORAL TEST</b></p>	<p>The interview will take place exclusively online.</p>

<b>PHD COURSE IN</b>	<b>ARCHITECTURE AND ENVIRONMENT</b>
<b>COORDINATOR</b>	Fabio Bacchini – bacchini@uniss.it
<b>TRAINING OBJECTIVES</b>	<p>The objective of the PhD course 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 outlook of the PhD course 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 doctorate 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 the Environment has as its particular 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 operational 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 also in non-academic environments, such as private companies and local authorities.</p>
<b>AREAS OF INTEREST</b>	<p>AGR/14 AGRICULTURAL CHEMISTRY, AGRICULTURAL GENETICS AND PEDOLOGY</p> <p>BIO/03</p> <p>BIO/07 ECOLOGY</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/08 GEOCHEMISTRY, MINERALOGY, PETROLOGY, VOLCANOLOGY, GEORESOURCES AND APPLICATIONS</p> <p>GEO/09 GEOCHEMISTRY, MINERALOGY, PETROLOGY, VOLCANOLOGY, GEORESOURCES AND APPLICATIONS</p> <p>ICAR/05 INFRASTRUCTURES AND TRANSPORT SYSTEMS, ESTIMATION AND VALUATION</p> <p>ICAR/08 CONSTRUCTION SCIENCE</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/17 DRAWING</p> <p>ICAR/18</p> <p>ICAR/20 URBAN AND TERRITORIAL PLANNING AND DESIGN</p> <p>ICAR/21 URBAN AND REGIONAL PLANNING AND DESIGN</p> <p>ING-INF/05 INFORMATION PROCESSING SYSTEMS</p> <p>L-ANT/06 ARCHAEOLOGY</p> <p>L-ANT/09</p> <p>MAT/05</p> <p>MED/42</p> <p>M-FIL/01</p> <p>M-FIL/02 LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE</p> <p>M-FIL/03</p> <p>M-FIL/04</p> <p>M-FIL/05</p>
<p><b>METHODS OF EVALUATION</b></p>	<p>Titles and interview (30+70)</p>
<p><b>CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)</b></p>	<p>- <b>4 fellowships (same administrative category):</b> 2 fellowships funded on DM 351/2022, PNRR; 1 fellowship funded by the Department of Architecture, Design, Urban Planning; 1 fellowship funded by the University of Sassari.</p> <p><b>Topic:</b> Enhancement and regeneration of tangible and intangible cultural heritage, revitalization of places and territories, climate change, conservation and rethinking of the environment, ecological transition, cultural and creative industries, new learning spaces: the role of scientific knowledge, philosophical and historical reflection, and urban, architectural, product, visual and communication design.</p> <p>- <b>4 positions reserved for employees of affiliated organisations</b></p> <p><b>Topic:</b> Enhancement and regeneration of tangible and intangible cultural heritage, revitalization of places and territories, climate change, conservation and rethinking of the environment, ecological transition, cultural and creative industries, new learning spaces: the role of scientific knowledge, philosophical and historical reflection, and urban, architectural, product, visual and communication design</p> <p>- <b>1 fellowship</b> funded on DM 352/2022 in collaboration with the company Acciona Agua S.A.: Reuse of urban byproducts for soil rebuilding purposes</p> <p>- <b>1 fellowship</b> funded on DM 352/2022 in collaboration with the company Medical Concept Lab s.r.l.:</p>

	<p>Digital models for graphical representation and management of complex systems in the medical and health care field</p> <p>- <b>1 fellowship</b> funded on DM 352/2022 in collaboration with the company Indagini Strutturali s.p.a.: Continuum modelling of damage in solids and structures based on experimental evidence obtained by nondestructive testing</p> <p>- <b>1 fellowship</b> funded on DM 352/2022 in collaboration with the company U-Series s.r.l.: Optimization of building design and urban planning through geospatial models for the reduction of radon hazard</p> <p>- <b>1 place reserved</b> for foreign scholarship holders from Universidade Estadual Paulista “Júlio de Mesquita Filho”: Contribute to actions that optimize the use of natural resources and enhance forest productivity in the medium-long term in view of environmental and socio-economic sustainability</p>
<p><b>VALID TOPICS FOR PROJECT AND INTERVIEW</b></p>	<ol style="list-style-type: none"> <li>1. Architecture, Urban Studies, and Cultural Heritage</li> <li>2. Architecture, Complexity, and Society</li> <li>3. Community Empowerment and Participatory Planning</li> <li>4. Architecture, Ecology, and Sustainability</li> <li>5. Ecology, Geology, Pedology, Botany: New Perspectives for Environmental Management</li> <li>6. Monitoring of Climate Change for Environmental Conservation</li> <li>7. Architecture, Space, and Learning Processes</li> <li>8. Communication Design and Visual and Graphic Sciences</li> <li>9. Architecture, Structures, and Technology</li> <li>10. Territory, Dwelling, and Movement</li> <li>11. Urban Studies, Architecture, and Depopulation</li> <li>12. Philosophy of Architecture, Environment, and Cultural Heritage</li> </ol>
<p><b>GUIDELINES REGARDING THE RESEARCH PROJECT</b></p>	<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>
<p><b>DIRECTIONS ON THE ORAL TEST</b></p>	<p>The interview will take place either online or in person, at the candidate's choice</p>

<b>PHD COURSE IN</b>	<b>CULTURES, LITERATURE, TOURISM AND TERRITORY</b>
<b>COORDINATOR</b>	Fiorenzo Toso - <a href="mailto:ftoso@uniss.it">ftoso@uniss.it</a>
<b>TRAINING OBJECTIVES</b>	<p>Doctoral students on the PhD course in Cultures, Literatures, Tourism and Territory will have to:</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• critically examine the transnational dynamics of today's knowledge society and at the same time contrast the uncritical homologation of contemporary reality, drawing on the cultural wealth of the territory and the memory of the past, also in the context of collaboration with companies, local authorities and communities</li> <li>• increase their linguistic, anthropological, sociological and literary knowledge with a view to broadening their research horizons and international mobility</li> <li>• provide skills for the use of new research methods through new technologies</li> <li>• - develop skills and research methodologies in relation to cultural activities linked to the area with a view to economic enhancement</li> </ul>
<b>AREAS OF INTEREST</b>	<p>IUS/21 COMPARATIVE LAW</p> <p>L-ANT/01 PREHISTORY AND PROTOHISTORY</p> <p>L-ART/03 ART HISTORY</p> <p>L-ART/06 THEATRE, MUSIC, CINEMA, TELEVISION AND AUDIOVISUAL MEDIA</p> <p>L-ART/07 THEATRE, MUSIC, CINEMA, TELEVISION AND AUDIOVISUAL MEDIA</p> <p>L-FIL-LET/08</p> <p>L-FIL-LET/10 ITALIAN LITERATURE</p> <p>L-FIL-LET/11 CONTEMPORARY ITALIAN LITERATURE</p> <p>L-FIL-LET/13 ITALIAN LINGUISTICS AND PHILOLOGY</p> <p>L-LIN/01 GLOTTOLOGY AND LINGUISTICS</p> <p>L-LIN/04 FRENCH LANGUAGE, LITERATURE AND CULTURE</p> <p>L-LIN/05 SPANISH LITERATURE</p> <p>L-LIN/10 ENGLISH AND ANGLO-AMERICAN LANGUAGES, LITERATURES AND CULTURES</p> <p>L-LIN/14 GERMANIC LANGUAGES, LITERATURES AND CULTURES</p> <p>M-DEA/01 DEMOETHNOANTHROPOLOGICAL SCIENCES</p> <p>M-FIL/05 AESTHETICS AND PHILOSOPHY OF LANGUAGES</p> <p>M-GGR/01 GEOGRAPHY</p> <p>M-GGR/02 GEOGRAPHY</p> <p>M-PSI/05 SOCIAL PSYCHOLOGY</p>

	SECS-P/13 SPS/07      GENERAL SOCIOLOGY
<b>METHODS OF EVALUATION</b>	Titles and interview (30+70)
<b>CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)</b>	<p>- <b>1 fellowship</b> funded on DM 351/2022, Public Administration: The enhancement of culture and territory in the action of the Public Administration</p> <p>- <b>1 fellowship</b> funded on DM 351/2022, Public Administration: The enhancement of culture and territory also in relation to literary representation in the action of the Public Administration</p> <p>- <b>1 fellowship</b> funded on MD 351/2022, PNRR: Analysis, study and digitisation of materials from documentary and literary sources relating to the Sardinian and Ligurian area in relation to the objectives of the PNRR</p> <p>- <b>1 fellowship</b> funded on DM 352/2022, in collaboration with Be Ethical: The ethics of artificial intelligence in European standardisation.</p> <p>- <b>1 fellowship</b> funded by the University of Sassari: Restorative Justice. For the well-being of individuals and communities</p> <p>- <b>2 positions reserved for employees of affiliated organisations</b></p>
<b>VALID TOPICS FOR PROJECT AND INTERVIEW</b>	The same themes already indicated for fellowships should be used
<b>GUIDELINES REGARDING THE RESEARCH PROJECT</b>	Max. 3 pages excluding bibliography
<b>DIRECTIONS ON THE ORAL TEST</b>	The interview will take place either online or in person, at the candidate's choice



PHD COURSE IN	ECONOMICS, MANAGEMENT, AND QUANTITATIVE METHODS
COORDINATOR	Dimitri Paolini – dpaolini@uniss.it
TRAINING OBJECTIVES	<p>The PhD programme 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. The doctoral programme is distinguished in doctoral training, achieved with advanced courses, and thesis preparation. 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. Thanks to this 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 issues, as well as on the most advanced methodologies and applications of mathematical and statistical models in these disciplines. 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	<p>M-GGR/02 GEOGRAPHY  SECS-P/01 POLITICAL ECONOMY  SECS-P/02 ECONOMIC POLICY  SECS-P/05 ECONOMETRICS  SECS-P/06 MATHEMATICAL METHODS OF ECONOMICS AND ACTUARIAL AND FINANCIAL SCIENCES  SECS-P/07 BUSINESS ADMINISTRATION  SECS-P/08 ECONOMICS AND BUSINESS MANAGEMENT  SECS-P/09 ECONOMICS OF FINANCIAL INTERMEDIARIES AND CORPORATE FINANCE  SECS-P/11 ECONOMICS OF FINANCIAL INTERMEDIARIES AND CORPORATE FINANCE  SECS-S/01 STATISTICS  SECS-S/04 DEMOGRAPHY AND SOCIAL STATISTICS  SECS-S/05 DEMOGRAPHY AND SOCIAL STATISTICS  SECS-S/06 MATHEMATICAL METHODS OF ECONOMICS AND ACTUARIAL AND FINANCIAL SCIENCES</p>
METHODS OF EVALUATION	Titles, research project and interview (30+20+50)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>- <b>4 fellowships</b> (same administrative category) funded on DM 351/2022, Public Administration:</p> <ul style="list-style-type: none"> <li>• Economics, Management and Quantitative Methods for Public Administration</li> <li>• Formulation, design and evaluation of public policies;</li> <li>• Development of financial, management and economic skills for changing public administrations as complex systems;</li> <li>• Efficiency and cost-effectiveness of public action with special reference to the twin transitions (digital and ecological).</li> </ul> <p>- <b>1 fellowship</b> funded on DM 352/2022, in collaboration with the company Formazione Point s.r.l.:</p> <ul style="list-style-type: none"> <li>• Welfare, Human Capital and Territory</li> </ul>



	- <b>1 fellowship financed</b> by the Department of Economics and Business Sciences on the Department of Excellence funds on the subject of " <i>Equitable and Sustainable Welfare (BES)</i> "
<b>VALID TOPICS FOR PROJECT AND INTERVIEW</b>	<p>Topic 1: Economics (Microeconomics, Macroeconomics, and Econometrics)</p> <p>Topic 2: Management (Financial Accounting, Business Administration, Public Management, Corporate Finance, Banking, and Marketing)</p> <p>Topic 3: Quantitative Methods (Applied Mathematics and Applied Statistics)</p> <p>Topic 4: Equitable and sustainable well-being - BES (Economics, Management and Quantitative methods).</p>
<b>GUIDELINES REGARDING THE RESEARCH PROJECT</b>	Please see the indications in the call for applications. In addition, the candidate must present the research project, exclusively in English, using a presentation with slides (max. 10 slides).
<b>DIRECTIONS ON THE ORAL TEST</b>	The interview will take place exclusively online

<b>PHD COURSE IN</b>	<b>LIFE SCIENCES AND BIOTECHNOLOGIES</b>
<b>COORDINATOR</b>	Leonardo Antonio Sechi – sechila@uniss.it
<b>TRAINING OBJECTIVES</b>	The PhD Course in Life Sciences and Biotechnologies, promoted by lecturers belonging to three Departments of the University of Sassari, intends to be an advanced training centre, open to young Italian and foreign graduates, with the following objectives: to offer high scientific qualification 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. It is intended to offer structured training activities and broadly interdisciplinary research projects, in order to foster interactions and knowledge exchanges between fast-growing sectors such as modern biological and biomedical sciences, as well as to promote theoretical-experimental cultural training and multiple interactions with national and international laboratories, with the aim of enabling students to deal with other study and research realities, thus increasing employment opportunities, even beyond the academic sphere.
<b>AREAS OF INTEREST</b>	BIO/05 ZOOLOGY AND ANTHROPOLOGY BIO/09 BIO/10 GENERAL BIOCHEMISTRY BIO/11 BIO/12 CLINICAL BIOCHEMISTRY AND CLINICAL MOLECULAR BIOLOGY BIO/16 HUMAN ANATOMY BIO/18 GENETICS MED/04 GENERAL AND CLINICAL PATHOLOGY MED/07 MICROBIOLOGY AND CLINICAL MICROBIOLOGY MED/09 INTERNAL MEDICINE MED/16 BLOOD DISEASES, ONCOLOGY AND RHEUMATOLOGY MED/26 NEUROLOGY MED/33 LOCOMOTOR SYSTEM DISEASES AND PHYSICAL AND REHABILITATION MEDICINE VET/05 INFECTIOUS AND PARASITIC DISEASES OF ANIMALS
<b>METHODS OF EVALUATION</b>	Titles and interview (30+70)
<b>CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)</b>	- <b>1 fellowship</b> funded on DM 351/2022, PNRR: Use of molecular markers for monitoring aquatic animal biodiversity  - <b>1 fellowship</b> funded on DM 351/2022, PNRR: Dynamics and functional profiles of the human intestinal microbiota in response to diet and disease  - <b>1 fellowship</b> funded on DM 351/2022, PNRR: Role of microorganisms in autoimmune and neurodegenerative diseases

	<p>- <b>1 fellowship</b> funded on DM 351/2022, PNRR: Impact of climate change and management on large Alpine mammals</p> <p>- <b>6 positions</b> reserved for Foreign Fellows from Shantou University Medical College</p>
<b>VALID TOPICS FOR PROJECT AND INTERVIEW</b>	<p>For fellowships funded on DM 351/2022, the topics are those already associated with fellowships.</p> <p>For positions reserved for Fellows from foreign countries from Shantou University Medical College:</p> <ol style="list-style-type: none"> <li>1. Autoimmune diseases</li> <li>2. Neurodegenerative diseases</li> <li>3. Cancer and environment</li> <li>4. Respiratory infections</li> <li>5. Artificial Intelligence application in Medicine</li> <li>6. Inflammatory Bowel Diseases</li> </ol>
<b>GUIDELINES REGARDING THE RESEARCH PROJECT</b>	Follow what is already stated in the call for applications
<b>DIRECTIONS ON THE ORAL TEST</b>	The interview will take place either online or in person, at the candidate's choice

<b>PHD COURSE IN</b>	<b>AGRICULTURAL SCIENCES</b>
<b>COORDINATOR</b>	Severino Zara – szara@uniss.it
<b>TRAINING OBJECTIVES</b>	<p>The course aims to train highly qualified PhDs able to meet the demand for research and development in the fields of</p> <ul style="list-style-type: none"> <li>(i) agrometeorology and plant ecophysiology;</li> <li>(ii) productivity of agricultural crops;</li> <li>(iii) management and protection of agricultural and forestry production systems; conservation, protection and enhancement of natural resources;</li> <li>(iv) biotechnology aimed at regional, national and international production needs;</li> <li>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;</li> <li>(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;</li> <li>(vii) factors and forces leading to land degradation and desertification.</li> </ul> <p>In the three years, doctoral students acquire the scientific method and the necessary skills for preparing experimental designs, conducting experimental plans and laboratory activities, mathematical-statistical data processing, evaluating statistical-experimental inferences and disseminating research results.</p>
<b>AREAS OF INTEREST</b>	<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  BIO/02</p>

	BIO/03
<b>METHODS OF EVALUATION</b>	Titles and interview (30+70)
<b>CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)</b>	<p>Curriculum in <b>Agrometeorology and Ecophysiology of Agricultural and Forestry Systems</b></p> <p>- <b>1 Fellowship</b> funded by the Department of Agriculture (<i>Adapting to Climate change by QUantifying optimal Allocation of resOURces and socio-economic inTerlinkages, financed by PRIMA funds, Grant Agreement number: [2021] [AQUAOUNT] [Call 2020 Section 1 Water IA]</i>): Scenarios of water use and management in Mediterranean environments in relation to climate change, food security and multi-sectoral conflict mitigation (NEXUS)</p> <p>Curriculum in <b>Desertification and Land degradation</b></p> <p>- <b>2 fellowships</b> (same administrative category) co-funded by the University and the Department of Agriculture:</p> <ul style="list-style-type: none"> <li>- Sustainable intensification of farming systems to combat land degradation and desertification</li> <li>- Chemical and biological strategies for the resilience and restoration of degraded areas</li> </ul> <p>Curriculum in <b>Monitoring and control of agricultural and forest ecosystems in the Mediterranean environment</b></p> <p>- <b>1 fellowship</b> funded on DM 352/2022, in collaboration with the company Shift s.p.a: Sustainability and monitoring of the effects on soils of spreading sewage sludge</p> <p>- <b>1 fellowship</b> funded on DM 352/2022, in collaboration with the company Bluebiloba s.r.l.:IoT monitoring systems for the biomechanical stability of trees</p> <p>- <b>2 fellowships</b> (same administrative category) co-financed by the University and the Department of Agriculture:</p> <ul style="list-style-type: none"> <li>- Monitoring of Mediterranean oak health through remote sensing</li> <li>- Analyses of the microbiome in raw cork using metagenomic approach</li> </ul> <p>- <b>1 position</b> reserved for Foreign Country Fellows from Ss. Cyril and Methodius University: Spatial analysis and database integration in support of FAIR data for protection forest management tools</p> <p>Curriculum in <b>Animal Science and Technology</b></p> <p>- <b>1 fellowship</b> funded on DM 351/2022, Digital and Environmental Transition: Digital transition models for the environmental sustainability of the sheep milk supply chain. In collaboration with the Foundation for Digital Sustainability <a href="https://sostenibilitadigitale.it/partner-e-soci-sostenitori/">https://sostenibilitadigitale.it/partner-e-soci-sostenitori/</a></p>
<b>VALID TOPICS FOR PROJECT AND INTERVIEW</b>	The same themes already indicated for fellowships should be used

<b>GUIDELINES REGARDING THE RESEARCH PROJECT</b>	Please follow what is already stated in the call for applications
<b>DIRECTIONS ON THE ORAL TEST</b>	The interview will take place exclusively online

<b>PHD COURSE IN</b>	<b>BIOMEDICAL SCIENCES</b>
<b>COORDINATOR</b>	Margherita Maioli - mmaioli@uniss.it
<b>TRAINING OBJECTIVES</b>	<p>General objective:          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>Specific objectives:</p> <ul style="list-style-type: none"> <li>- to 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;</li> <li>- to carry out the proposed topics within the curricula with an interdisciplinary approach;</li> <li>- document the results of scientific activity on the proposed topics by the lecturers involved in the training activity;</li> <li>- 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.</li> </ul> <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>
<b>AREAS OF INTEREST</b>	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



	<p>MED/17</p> <p>MED/18</p> <p>MED/19</p> <p>MED/28</p> <p>MED/29</p> <p>MED/30</p> <p>MED/31</p> <p>MED/35</p> <p>MED/36</p> <p>MED/38</p> <p>MED/40</p> <p>MED/41</p> <p>MED/42</p> <p>MED/49</p> <p>M-EDF/01</p>
<b>METHODS OF EVALUATION</b>	Titles and interview (30+70)
<b>CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)</b>	<p>Curriculum in <b>Biology and Genetics</b></p> <p>- <b>1 fellowship</b> funded by Inpeco s.p.a: Identification of genetic markers of susceptibility to complex diseases</p> <p>- <b>1 fellowship</b> funded by DM 351/2022, PNRR: Epigenetic biomarkers in psychometabolic dysregulation and precision medicine: from body to mind</p> <p>- <b>1 position</b> reserved for employees of contracted organisation Identification of genetic markers of susceptibility to complex diseases</p> <p>Curriculum in <b>Neuroscience</b></p> <p>- <b>1 fellowship</b> funded by the University</p> <p>Curriculum in <b>Public Health</b></p> <p>- <b>1 fellowship</b> funded by Osstem Implant: New perspectives in the use of bioactive implant surfaces and biomaterials to achieve faster bone healing</p> <p>- <b>2 positions</b> (same administrative category), of which: 1 fellowship funded on DM 351/2022, PNRR; 1 position without fellowship Single theme: Precision treatments: strategic weapons against old and new diseases</p>
<b>VALID TOPICS FOR PROJECT AND INTERVIEW</b>	<p>For the <b>Biology and Genetics curriculum</b> and for the <b>Public Health curriculum</b>, the topics are those already associated with fellowships.</p> <p>For the curriculum in <b>Neuroscience</b>:</p> <p>1. Neurophysiological and neuromuscular adaptations to acute and chronic exercise in healthy subjects and in patients with neurological diseases.</p>

	2. Neurophysiology of learning and consolidation of motor and emotional tasks in healthy subjects and in patients with neurological diseases
<b>GUIDELINES REGARDING THE RESEARCH PROJECT</b>	Please follow what is already stated in the call for applications
<b>DIRECTIONS ON THE ORAL TEST</b>	The interview will take place either online or in person, at the candidate's choice

<b>PHD COURSE IN</b>	<b>JURIDICAL SCIENCES</b>
<b>COORDINATOR</b>	Giuliana Giuseppina Carboni - dottoratosg@uniss.it
<b>TRAINING OBJECTIVES</b>	<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.</p> <p>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.</p> <p>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.</p> <p>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 in-depth 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>
<b>AREAS OF INTEREST</b>	<p>IUS/01</p> <p>IUS/02</p> <p>IUS/04</p> <p>IUS/05</p> <p>IUS/06</p> <p>IUS/08</p> <p>IUS/09</p> <p>IUS/10</p> <p>IUS/12</p> <p>IUS/15</p> <p>IUS/16</p> <p>IUS/17</p>

	IUS/18 IUS/20 IUS/21
<b>METHODS OF EVALUATION</b>	Titles, writing and interview (30+35+35)
<b>CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)</b>	<p>- <b>1 fellowship</b> funded on DM 351/2022, Public Administration: The new horizons of criminal justice</p> <p>- <b>1 fellowship</b> funded on DM 351/2022, Public Administration: Procedural actions in the evolution of the relationship between citizens and public administration</p> <p>- <b>1 fellowship</b> funded on DM 351/2022, Public Administration: The enterprise between profitability and sociality</p> <p>- <b>1 fellowship</b> funded on DM 351/2022, Public Administration: Contractual invalidity in the system of European private law</p> <p>- <b>3 positions</b> reserved for employees of affiliated organisations</p>
<b>DIRECTIONS ON THE ORAL TEST</b>	The interview will take place exclusively in presence

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"> <li>- 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;</li> <li>- acquire knowledge and technical experience regarding animal production in order to improve its quality through the prudent management of resources and production processes;</li> <li>- 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;</li> <li>- 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;</li> <li>- to study in depth the latest surgical, obstetric and internal medicine techniques in order to improve and update veterinary clinical practice;</li> <li>- 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.</li> </ul>
AREAS OF INTEREST	<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</p>
METHODS OF EVALUATION	Titles and interview (30+70)
CONTEST POSITIONS AND TOPICS RELATED TO SCHOLARSHIPS (by administrative category)	<p>Curriculum in <b>Food Production, Quality and Safety</b></p> <ul style="list-style-type: none"> <li>- <b>1 position</b> without fellowship:  Long term investigation on lean mass of cats and dogs undergoing different amount of animal protein in the diet</li> <li>- <b>1 fellowship</b> funded on DM 351/2022, PNRR:</li> </ul>

	<p>Development of technological innovations to increase the sustainability of the dairy supply chain through improved production, transport, storage of raw material and processing by-products</p> <p>Curriculum in <b>Animal Reproduction, Pathology, Breeding and Welfare</b></p> <p><b>- 1 fellowship</b> funded on DM 351/2022, PNRR: Development of innovative systems to improve the efficiency of juvenile in vitro embryo technology (JIVET) for the reduction of the generation interval and the propagation of animals with low emissions</p> <p><b>- 1 fellowship</b> funded on DM 351/2022, PNRR: Identification of genetic causes of Beckwith-Wiedemann Syndromes and Multilocus Imprinting Disturbance by molecular analysis in the sheep model</p> <p><b>- 2 positions</b> reserved for Foreign State Fellows from Lebanese University: - Molecular epidemiology and pathogenicity of wildlife and domestic animals infectious diseases of economic relevance and zoonoses - Epidemiology, control and prevention of parasitic zoonoses in Lebanon</p>
<p><b>VALID TOPICS FOR PROJECT AND INTERVIEW</b></p>	<p>The topics already indicated for the competitive positions must be used, with the exception of the fellowship funded on DM 351/2022 for the Food Production, Quality and Safety curriculum, whose topic to be used for the presentation of the project is as follows:</p> <p>Knowledge of the main dairy technology processes, identification of stages and hazards inherent to food safety along the supply chain and analytical methods for the search and identification of pathogenic microorganisms in milk, in relation to the sustainability of the supply chain, management of raw materials and reduction of processing waste.</p>
<p><b>GUIDELINES REGARDING THE RESEARCH PROJECT</b></p>	<p>It must be written in English and include an abstract of max. 500 words</p>
<p><b>MODALITA' DI SVOLGIMENTO DEL COLLOQUIO</b></p>	<p>The interview will take place exclusively online.</p> <p>The purpose of the interview will be to assess the candidate's knowledge of the English language, through 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 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.</p>