ANNEX 1/a

International PhD program in: APPLIED BIOLOGY AND ENVIRONMENTAL SAFEGUARD

XXXIII CYCLE – a.y. 2017-2018

<table>
<tr><td>Department</td><td colspan="3">Department of Sciences - Potenza</td></tr>
<tr><td>Coordinator</td><td colspan="3">Prof. Sabino Aurelio BUFO
e-mail: sabino.bufo@unibas.it</td></tr>
<tr><td>Duration</td><td colspan="3">3 years</td></tr>
<tr><td>Web site</td><td colspan="3">http://www.phd-science.eu/index.php/en/</td></tr>
<tr><td>Curricula</td><td colspan="3">1. Geo-Systems, Geo-Resources and Environmental Safeguard
2. Applied Biology</td></tr>
<tr><td>Aims and topics</td><td colspan="3">The PhD program in "Applied Biology and Environmental Safeguard" is at its third renewal having been established by the XXX cycle. It represents the evolution of experiences that in the past have involved teachers and researchers in the scientific community of the University of Basilicata, and affiliated to foreign universities. The PhD program fits into the interdisciplinary field of biological and natural sciences at the crossroads of several fields of study that have a common language and the scientific method. It aims to provide students with the tools for applied research in animal biology, plant, microbial and environmental fields, as well as for research in the areas of environmental monitoring, conservation, environmental protection, and utilization of natural resources, paving the way to research programs on "Geo-Systems and Geo-resources", and implementing new Green and White Technologies in the utilization of natural resources.
The PhD program in "Applied Biology and Environmental Safeguard", therefore, combines the skills acquired in the biological fields with those of the "Earth Sciences", both of the Department of Science. This PhD program has been created to address research areas that have strong application outcomes, giving priority to technological innovation without neglecting basic research.</td></tr>
<tr><td>Admission requirements</td><td colspan="3">a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term);
b) Laurea specialistica/magistrale (D.M. 509/99 and D.M. 270/2004);
c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must make request in the application form according to the Art. 3 of this call.</td></tr>
<tr><td rowspan="2">Available positions</td><td rowspan="2">5</td><td>With scholarship</td><td>Without scholarship</td></tr>
<tr><td>4
including 1 reserved to students with foreign degree</td><td>1</td></tr>
<tr><td rowspan="2">Type of scholarships
(Description awarding entity and research topic)</td><td>Scholarships funded by MIUR</td><td colspan="2"><u>1 scholarship</u> to the Curriculum Applied Biology on the following topics:
1) Mitochondria and energy metabolism: therapeutic and diagnostic targets in tumor and inflammatory pathologies
2) Characterization of antimicrobial peptides derived from insects and their application in the biomedical field
3) Isolation, characterization and biological evaluation of onco-nutraceutical compounds from the Mediterranean area and new tools for the treatment of oncological pathologies
4) Metabolomic characterization and evaluation of the in vitro and in vivo biological activity of extracts obtained from local plant resources for the production of innovative nutritional supplements</td></tr>
<tr><td>Scholarships funded by Department of Sciences</td><td colspan="2"><u>1 scholarship</u> to the Curriculum Geo-Systems, Geo-Resources and Environmental Safeguard in the following topics:
1) The natural mineral waters of the Monte Vulture aquifer: multi-isotopic approach aimed at improving water management and environmental sustainability</td></tr>
</table>

<table>
<tr><td></td><td></td><td colspan="2">2) Analysis of the fragile structures, and fluid flow in the Mesozoic allochthonous units outcropping in Val d'Agri (Basilicata)
3) New materials for wastewater filtration and disinfection

Reserved to students with foreign degree</td></tr>
<tr><td></td><td>Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"</td><td colspan="2"><u>1 scholarship</u> to the Curriculum Applied Biology in the following mandatory topic:
"Nanobiosensor development for oenological innovation and characterization of the identity of wine of Basilicata region"

<u>1 scholarship</u> to the Curriculum Applied Biology in the following mandatory topic:
"Use of organic materials to obtain valuable products through bioconversion"

The scholarship is reserved to highly qualified candidates with serious diseases, who have obtained the Master's degree at the University of Basilicata during the academic years 2012-2013, 2013-2014 and 2014-2015, with a final vote not less than 105 / 110.

A period abroad from a minimum of 3 months to a maximum of 6 months and a period in company from a minimum of 6 to a maximum of 12 months is mandatory for both the scholarships.</td></tr>
<tr><td>Positions reserved to students with foreign degree</td><td></td><td>With scholarship
1</td><td>Without scholarship
0</td></tr>
<tr><td>Positions without scholarship</td><td></td><td colspan="2"><u>1</u> position to the Curriculum Geo-Systems, Geo-Resources and Environmental Safeguard in the following topics:
1) The natural mineral waters of the Monte Vulture aquifer: multi-isotopic approach aimed at improving water management and environmental sustainability
2) Analysis of the fragile structures, and fluid flow in the Mesozoic allochthonous units outcropping in Val d'Agri (Basilicata)
3) New materials for wastewater filtration and disinfection</td></tr>
<tr><td>Admission procedure</td><td colspan="3">The admission procedure is conducted through the:
a) evaluation of qualifications
b) evaluation of a research project due to the pilot issue of the chosen curriculum, which will be evaluated together with the titles
c) interview
For applicants residing abroad, the admission procedure is conducted through the:
a) evaluation of qualifications
b) interview</td></tr>
<tr><td>Evaluation criteria</td><td colspan="3">a) evaluation of qualifications: up to a maximum of 60 points
They will be allowed to interview candidates who have achieved a rating of not less than 36 points
b) interview: up to a maximum of 40 points
The interview will be considered passed if the candidates will be given an overall rating of no less than 24 points

Minimum total score: 60 out of 100.</td></tr>
<tr><td>Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)</td><td colspan="3">Yes (during the interview it will assess the knowledge of the Italian language)</td></tr>
</table>

Assessable qualifications	**Graduation Thesis** (The candidate must also submit a summary in Italian or English of the thesis of max 16.000 characters)	Up to **5** points
	Degree mark	Up to **10** points
	Research project (It must be written in English or Italian, due to the pilot issue of the chosen curriculum, using the specimen in Annex C, and will be assessed in relation to: degree of innovation compared to the state; clarity of scientific interests and motivations; the subject of research knowledge; degree of sustainability of the proposal, considering the doctoral period. Maximum length: 16.000 characters)	Up to **30** points
	Scientific publications (Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)	Up to **5** points
	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, …)	Up to **10** points
Interview program	Can be taken in English and will be assessed taking into account the ability to deal in organic form the proposed issues, particularly with respect to clarity, the ability to synthesize, to the mastery of terminology and the level of detail and knowledge of the English language.	
Foreign language	**English** (knowledge of a foreign language will be assessed during the interview)	
Schedule of the admission tests	**Evaluation of qualifications: results will be available from <u>September 18, 2017</u>** on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html **Day of the interview: <u>September 26, 2017 - 10:00 a.m.</u>** Meeting room - Department of Sciences – Campus di Macchia Romana, 85100 Potenza	

ANNEX 1/b

PhD program in: CITIES AND LANDSCAPES: ARCHITECTURE, ARCHAEOLOGY, CULTURAL HERITAGE, HISTORY AND RESOURCES

XXXIII CYCLE – a.y. 2017-2018

<table>
<tr><td>Department</td><td colspan="3">Department of the European and Mediterranean Cultures: Architecture, Environment, Cultural Heritages (DICEM) - Matera</td></tr>
<tr><td>Coordinator</td><td colspan="3">Prof. Mauro FIORENTINO
e-mail: mauro.fiorentino@unibas.it</td></tr>
<tr><td>Duration</td><td colspan="3">3 years</td></tr>
<tr><td>Web site</td><td colspan="3">http://dicem.unibas.it/site/home/ricerca/dottorati-di-ricerca.html</td></tr>
<tr><td>Curricula</td><td colspan="3">Not provided</td></tr>
<tr><td>Aims and topics</td><td colspan="3">The primary objective is the acquisition of an appropriate knowledge and of the effective theoretical and methodological tools that allow to operate with specific skills and disciplinary specializations and with a real multi - and interdisciplinary capability, in an aware dialogue between humanistic and technical-scientific knowledge for the study, the analysis and the interpretation of the phenomenon of cities and landscapes, with the use of innovative technologies and the design of interventions aimed at their sustainable development:
• Analysis, interpretation, diagnostics, protection, recovery, enhancement and enjoyment of the architectural, environmental, heritage, historical, cultural, artistic and archaeological assets and of the tangible and intangible heritages and related administrative functions.
• Stratigraphic analysis of urban and rural contexts according to the methods of the total history and the global archeology of the landscapes .
• Study of natural, energy, water resources and effects of climate change, environmental quality and adaptation strategies for natural, rural and urban systems.
• Analysis of the evolutionary processes and the organizational models of the environment to small and large spatial and temporal scale, and projects for urban and landscape regeneration.
• Process analysis of land instability, natural hazards, environmental and soil protection, and planning of urban, rural and coastal landscapes.
• Analysis of rural and urban greening space, conservation of plant species in the natural environment and in the city;
• Use of innovative technologies.</td></tr>
<tr><td>Admission requirements</td><td colspan="3">a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term);
b) Laurea specialistica/magistrale (D.M. 509/99 and D.M. 270/2004);
c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must make request in the application form according to the Art. 3 of this call.</td></tr>
<tr><td rowspan="2">Available positions</td><td rowspan="2">10</td><td>With scholarship</td><td>Without scholarship</td></tr>
<tr><td>8</td><td>2</td></tr>
<tr><td rowspan="2">Type of scholarships (Description awarding entity and research topic)</td><td>Scholarships funded by MIUR</td><td colspan="2">2</td></tr>
<tr><td>Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"</td><td colspan="2"><u>1</u> restricted subject
"Diagnosing and monitoring cultural heritage"

<u>1</u> restricted subject
"Digital Transformations and Innovation of Business Models: Applications to the Cultural Tourism Industry"

<u>1</u> restricted subject
"Real-time ionic sap composition and mineral nutrition in Mediterranean environments – IONUM"

Both an abroad stage (min 3 max 6 months) and a stage at a national company (min 6 max 12 months) are mandatory for the three fellowships.</td></tr>
</table>

<table>
<tr><td></td><td>Scholarships funded by Fondazione Intesa Sanpaolo Onlus</td><td colspan="2"><u>1</u> restricted subject
"Continuity in the hands: new artisan trades and relationships with tradition", under the "Doctoral and/or research projects in humanities"

The scholarship is reserved for candidates with ISEE value less than € 25,000.00 and, preferentially, having obtained the qualification entry with a score of 110/110 cum laude no later than the 1st year out of course.</td></tr>
<tr><td></td><td>Scholarships funded by CNR IMAA</td><td colspan="2"><u>1</u> restricted subject
"Integrated methods and technologies for risk analysis, monitoring and conservation and restoration of archaeological and monumental heritage"</td></tr>
<tr><td></td><td>Scholarships funded by Progetto A.L.Ba.</td><td colspan="2"><u>1</u> restricted subject
"Safeguarding Lucan dialects, immaterial cultural assets in the research work carried out by the emerging "Centro Internazionale di Dialettologia"</td></tr>
<tr><td>Positions reserved to students with foreign degree</td><td></td><td>With scholarship
0</td><td>Without scholarship
0</td></tr>
<tr><td>Admission procedure</td><td colspan="3">The admission procedure is conducted through the:
a) evaluation of qualifications
b) evaluation of a research project due to the pilot issue "KNOWLEDGE, ARTS AND TECHNOLOGIES FOR THE PROTECTION AND DEVELOPMENT OF ASSETS AND IDENTITARY LANDSCAPES", which will be evaluated together with the titles
c) interview</td></tr>
<tr><td>Evaluation criteria</td><td colspan="3">a) evaluation of qualifications: up to a maximum of 60 points
They will be allowed to interview candidates who have achieved a rating of not less than 36 points
b) interview: up to a maximum of 40 points
The interview will be considered passed if the candidates will be given an overall rating of not less than 24 points

Minimum total score: 60 out of 100.</td></tr>
<tr><td>Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)</td><td colspan="3">Yes (during the interview it will assess the knowledge of the Italian language)</td></tr>
<tr><td rowspan="3">Assessable qualifications</td><td colspan="2">Graduation Thesis
(the candidate must also submit a summary in Italian or English of the thesis of max 16.000 characters)</td><td>Up to 5 points</td></tr>
<tr><td colspan="2">Degree mark</td><td>Up to 10 points</td></tr>
<tr><td colspan="2">Research project
(It must be written in English or Italian, due to the pilot issue of the chosen curriculum, using the specimen in Annex C, and will be assessed in relation to:
degree of innovation compared to the state;
clarity of scientific interests and motivations;
the subject of research knowledge;
degree of sustainability of the proposal, considering the doctoral period.
Maximum length: 16.000 characters)</td><td>Up to 30 points</td></tr>
</table>

	Scientific publications (Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)	Up to **5** points
	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, …)	Up to **10** points
Interview program	It can be taken in Italian or English, and will focus on the discussion of the research project presented.	
Foreign language	**English** (knowledge of a foreign language will be assessed during the interview)	
Schedule of the admission tests	**Evaluation of qualifications: results will be available from <u>September 18, 2017</u>** on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html **Day of the interview: <u>September 21, 2017 - 9:30 a.m.</u>** Meeting room - Department of the European and Mediterranean Cultures: Architecture, Environment, Cultural Heritages (DICEM) - Via San Rocco, 75100 Matera	

ANNEX 1/c

PhD program in: ENGINEERING FOR INNOVATION AND SUSTAINABLE DEVELOPMENT

XXXIII CYCLE – a.y. 2017-2018

Department	**Engineering School (SI-UniBas) - Potenza**
Coordinator	Prof.ssa Aurelia SOLE e-mail: aurelia.sole@unibas.it
Duration	3 years
Web site	http://ingegneria.unibas.it/site/home/offerta-formativa/dottorati-di-ricerca/articolo64.html
Curricula	**1. Methods and Technologies for Environmental Monitoring and Protection** **2. Analysis and prevention of natural risks** **3. Industrial Engineering and Information Technologies**
Aims and topics	The development, implementation and adoption of models of sustainable development requires the convergence of innovative methodologies and technologies covered by different disciplines. Therefore, the main objective of the PhD program is to train researchers of high scientific qualification, capable of contributing to the creation and implementation of innovative development models, efficient, socially sustainable and aimed at the protection of the environment. Future PhDs will be characterized by the ability to integrate specialized expertise with general methodologies and transversal knowledge as well as methodological rigor and sensitivity to application developments. Specialist skills will be acquired in one of the following areas: methods and technologies for monitoring and protecting the environment, methods of analysis, prevention and reduction of natural hazards, management of raw materials, energy systems and industrial production, methods and systems for the treatment and transmission of information. Future graduates will also acquire soft skills in the field of sensors, the satellite platform of tools, modeling and analysis of complex interacting systems and technologies in the public. **Topics of the curriculum "Methods and Technologies for Environmental Monitoring and Protection":** • Sensors and sensing technologies of environmental parameters • Integration and analysis of environmental data • Modelling monitoring, protection and preservation of the environment • Development of strategies and actions for prevention and resolution of environmental problems • Energy saving and distributed micro-generation • Data processing and applications with particular reference to SAR and Cosmo-SkyMed data for environmental monitoring **Topics of the curriculum "Analysis and prevention of natural risks":** • Numerical and experimental approaches for the assessment of seismic vulnerability of structures • Methods and techniques for the mitigation and management of seismic risk • Theoretical and experimental analyses of geotechnical problems • Slope stability and landslide risk reduction • Non-linear analysis of structures • Data processing and applications with particular reference to SAR and Cosmo-SkyMed data for environmental monitoring **Topics of the curriculum "Industrial Engineering and Information Technologies":** • Mechanical engineering design and applied mechanics • Mechanical technologies and industrial plants • Energy conversion systems, Engineering Thermodynamics and fluid flow machinery • Electromagnetism • Devices and systems for telecommunications • Automation and Mechatronics • Applied Physics

<table>
<tr><td>Admission requirements</td><td colspan="3">a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term);
b) Laurea specialistica/magistrale (D.M. 509/99 and D.M. 270/2004);
c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must make request in the application form according to the Art. 3 of this call.</td></tr>
<tr><td rowspan="2">Available positions</td><td rowspan="2">8</td><td>With scholarship</td><td>Without scholarship</td></tr>
<tr><td>6</td><td>2</td></tr>
<tr><td rowspan="4">Type of scholarships (Description awarding entity and research topic)</td><td>Scholarships funded by MIUR</td><td colspan="2"><u>1 scholarship</u> to the Curriculum Methods and Technologies for Environmental Monitoring and Protection

<u>1 scholarship</u> to the Curriculum Industrial Engineering and Information Technologies</td></tr>
<tr><td>Scholarships funded by Engineering School</td><td colspan="2"><u>1 scholarship</u> to the Curriculum Analysis and prevention of natural risks</td></tr>
<tr><td>Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"</td><td colspan="2"><u>1 scholarship</u> to the Curriculum Methods and Technologies for Environmental Monitoring and Protection on the following mandatory topic:
"Enhancing flood risk management, through near real time methods and technologies, for risk communication at local scale"

<u>1 scholarship</u> to the Curriculum Methods and Technologies for Environmental Monitoring and Protection on the following mandatory topic:
"Laboratory and pilot scale tests of innovative technologies and nanomaterials for the treatment of contaminated water and soils"

<u>1 scholarship</u> to the Curriculum Analysis and prevention of natural risks on the following mandatory topic:
"Satellite techniques combined with fields surveys to collect seismic vulnerability data in support of defining seismic risk mitigation strategies of the building stock in urban areas".

For all the scholarships, two research periods, to be respectively spent abroad (from 3 to 6 months) and in companies (from 6 to 12 months), are mandatory.</td></tr>
<tr><td></td><td colspan="2"></td></tr>
<tr><td rowspan="2">Positions reserved to students with foreign degree</td><td rowspan="2"></td><td>With scholarship</td><td>Without scholarship</td></tr>
<tr><td>0</td><td>0</td></tr>
<tr><td>Positions without scholarship</td><td></td><td colspan="2"><u>1 position</u> to the Curriculum Methods and Technologies for Environmental Monitoring and Protection

<u>1 position</u> to the Curriculum Industrial Engineering and Information Technologies</td></tr>
<tr><td>Admission procedure</td><td colspan="3">The admission procedure is conducted through the:
a) evaluation of qualifications
b) evaluation of a research project due to the pilot issue of the chosen curriculum, which will be evaluated together with the titles
c) interview</td></tr>
</table>

<table>
<tr><td>Evaluation criteria</td><td colspan="2">a) evaluation of qualifications: up to a maximum of 40 points
They will be allowed to interview candidates who have achieved a rating of not less than 24 points
b) interview: up to a maximum of 60 points
The interview will be considered passed if the candidates will be given an overall rating of not less than 36 points

Minimum total score: 60 out of 100.</td></tr>
<tr><td>Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)</td><td colspan="2">Yes (during the interview it will assess the knowledge of the Italian language)</td></tr>
<tr><td rowspan="5">Assessable qualifications</td><td>Graduation Thesis
(the candidate must also submit a summary in Italian or English of the thesis of max 16.000 characters)</td><td>Up to 5 points</td></tr>
<tr><td>Degree mark</td><td>Up to 20 points</td></tr>
<tr><td>Research project
(It must be written in English or Italian, due to the pilot issue of the chosen curriculum, using the specimen in Annex C, and will be assessed in relation to:
degree of innovation compared to the state;
clarity of scientific interests and motivations;
the subject of research knowledge;
degree of sustainability of the proposal, considering the doctoral period.
Maximum length: 16.000 characters)</td><td>Up to 5 points</td></tr>
<tr><td>Scientific publications
(Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)</td><td>Up to 5 points</td></tr>
<tr><td>Other titles
(University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, …)</td><td>Up to 5 points</td></tr>
<tr><td>Interview program</td><td colspan="2">It can be taken in Italian or English, and will focus, for each curriculum, on relative issues.</td></tr>
<tr><td>Foreign language</td><td colspan="2">English (knowledge of a foreign language will be assessed during the interview)</td></tr>
<tr><td>Schedule of the admission tests</td><td colspan="2">Evaluation of qualifications: results will be available from <u>September 13, 2017</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html

Day of the interview: <u>September 18, 2017 - 10:00 a.m.</u>
Classroom Amatucci – Engineering School – Campus di Macchia Romana, 85100 Potenza</td></tr>
</table>

ANNEX 1/d

PhD program in: AGRICULTURAL, FOREST AND FOOD SCIENCES

XXXIII CYCLE – a.y. 2017-2018

Department	**School of Agriculture, Forest, Food and Environmental Sciences (SAFE) - Potenza**		
Coordinator	Prof. Marco BORGHETTI e-mail: dottoratostafa@unibas.it		
Duration	3 years		
Web site	http://www2.unibas.it/dottoratostafa/wordpress/		
Curricula	**1. Agricultural, Forest and Environmental Science** **2. Food Sciences and Engineering**		
Aims and topics	The objective is to provide a sound knowledge and know-how (with special reference to: scientific method and procedures, research project organization and ideation, results presentation, evaluation of scientific and technological novelty) in order to build a professional able to conduct research, research management transfer and high-profile extension. In particular, the preparation will be addressed to the following learning objectives: a) acquisition of innovative knowledge in the field of plant science, animal, environmental, land, forest and food technology; b) autonomy in the design and conduct of original and innovative research projects, ability to publish the results in the most qualified in the industry journals, to communicate them in national and international scientific conferences, as well as audiences of technicians and administrators; c) ability to manage resources and staff in research both basic and applied, in universities, research institutions, government agencies, enterprises and national and international agencies; d) ability to promote, in academic and professional contexts, technological advancement, social or cultural area based on scientific knowledge.		
Admission requirements	a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term); b) Laurea specialistica/magistrale (D.M. 509/99 and D.M. 270/2004); c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must make request in the application form according to the Art. 3 of this call.		
Available positions	**6**	**With scholarship** **5**	**Without scholarship** **1**
Type of scholarships (Description awarding entity and research topic)	Scholarships funded by MIUR	**<u>1 scholarship</u>** to the Curriculum **Agricultural, Forest and Environmental Science** **<u>1 scholarship</u>** to the Curriculum **Food Sciences and Engineering**	

<table>
<tr><td></td><td>Scholarships funded by Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"</td><td colspan="2"><u>1 scholarship</u> to the Curriculum Food Sciences and Engineering in the following mandatory topic:
"Use of bioactive ingredients to formulate functional foods for breakfast"

<u>1 scholarship</u> to the Curriculum Food Sciences and Engineering in the following mandatory topic:
"Mixed-starter yeasts as a biotechnological tool to produce wine with low alcoholic content"

<u>1 scholarship</u> to the Curriculum Agricultural, Forest and Environmental Science in the following mandatory topic:
"The secondary metabolites of the wood: to guarantee environmental sustainability and enhancement of the raw material"

For all the scholarships, two research periods, to be respectively spent abroad (from 3 to 6 months) and in companies (from 6 to 12 months), are mandatory.</td></tr>
<tr><td rowspan="2">Positions reserved to students with foreign degree</td><td rowspan="2"></td><td>With scholarship</td><td>Without scholarship</td></tr>
<tr><td>0</td><td>0</td></tr>
<tr><td>Positions without scholarship</td><td></td><td colspan="2"><u>1 position</u> to the Curriculum Agricultural, Forest and Environmental Science</td></tr>
<tr><td>Admission procedure</td><td colspan="3">The admission procedure is conducted through the:
a) evaluation of qualifications

b) interview</td></tr>
<tr><td>Evaluation criteria</td><td colspan="3">a) evaluation of qualifications: up to a maximum of 40 points
They will be allowed to the interview candidates who have achieved a rating of not less than 25 points
b) interview: up to a maximum of 60 points
The interview will be considered passed if the candidates will be given an overall rating of not less than 35 points

Minimum total score: 60 out of 100.</td></tr>
<tr><td>Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)</td><td colspan="3">Yes (during the interview it will assess the knowledge of the Italian language)</td></tr>
<tr><td rowspan="3">Assessable qualifications</td><td>Graduation Thesis
(the candidate must also submit a summary in Italian or English of the thesis of max 16.000 characters)</td><td>Up to 2 points</td></tr>
<tr><td>Degree mark</td><td>Up to 30 points</td></tr>
<tr><td>Scientific publications
(Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)</td><td>Up to 4 points</td></tr>
</table>

	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, …)	Up to **4** points
Interview program	The interview will focus on the research topics of PhD program and on the research methodologies related to the scientific themes that characterize the chosen Curriculum.	
Foreign language	**English** (knowledge of a foreign language will be assessed during the interview)	
Schedule of the admission tests	**Evaluation of qualifications: results will be available from <u>September 15, 2017</u>** on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html **Day of the interview: <u>September 19, 2017 - 9:00 a.m.</u>** Classroom A20 – School of Agriculture, Forest, Food and Environmental Sciences (SAFE) - Campus di Macchia Romana, 85100 Potenza	

ANNEX 1/e

PhD program in: HISTORY, CULTURE AND KNOWLEDGES OF MEDITERRANEAN EUROPE FROM ANTIQUITY TO CONTEMPORARY AGE

XXXIII CYCLE – a.y. 2017-2018

<table>
<tr><td>Department</td><td colspan="3">Department of Human Sciences (DiSU) - Potenza</td></tr>
<tr><td>Coordinator</td><td colspan="3">Prof. Aldo CORCELLA
e-mail: aldo.corcella@unibas.it</td></tr>
<tr><td>Duration</td><td colspan="3">3 years</td></tr>
<tr><td>Web site</td><td colspan="3">http://disu.unibas.it/site/home/offerta-formativa/dottorati-di-ricerca.html</td></tr>
<tr><td>Curricula</td><td colspan="3">1. Mediterranean civilizations, institutions and territory
2. Literatures, languages, cultures and knowledge in Mediterranean Europe</td></tr>
<tr><td>Aims and topics</td><td colspan="3">The PhD course aims at providing PhD students with the skills required to high quality research, as a result of a strong integration between "knowledge" and "know-how". The planned three-year course focuses on a plurality of themes, from the theoretical debate to the history of mentalities and thought, literary history, social-economic as well as political-institutional history. The course will enable PhD students to conduct original research at a high scientific level, with a special concern for the analysis of the relations between Southern Italy and other countries and/or areas of European countries in the Mediterranean basin. The interest for the historical dynamics will be accompanied by a special focus on the artistic, linguistic, literary, philosophical, and generally cultural experience. Within both curricula, the PhD student will get, on one hand, the ability to exploit all possible sources for historical reconstruction (historical, archaeological, linguistic, literary, artistic, philosophical , as well as audiovisual documents); moreover, he will learn to consider the intellectual expressions in their historical dimension.</td></tr>
<tr><td>Admission requirements</td><td colspan="3">Degree/Master in one of the following classes of degrees:

LM-2, LM-11, LM-14, LM-15, LM-37, LM-39, LM-43, LM-49, LM-62, LM-78, LM-84, LM-85, LM-85 bis, LM-89, LM-90, LM-92, 2/S, 15/S, 16/S, 17/S, 18/S, 24/S, 42/S, 44/S, 55/S, 70/S, 93/S, 94/S, 95/S, 96/S, 97/S, 98/S, 99/S, 101/S.

Old system Degrees treated in the same classes or master degrees above according to Ministerial Decree 9th July 2009.

Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must make request in the application form according to the Art. 3 of this call.</td></tr>
<tr><td rowspan="2">Available positions</td><td rowspan="2">8</td><td>With scholarship</td><td>Without scholarship</td></tr>
<tr><td>6</td><td>2</td></tr>
<tr><td rowspan="3">Type of scholarships
(Description awarding entity and research topic)</td><td>Scholarships funded by MIUR</td><td colspan="2">3</td></tr>
<tr><td>Scholarships funded by Department of Human Science</td><td colspan="2">1</td></tr>
<tr><td>Scholarships funded by Borse con finanziamento esterno – Regione Basilicata "Convenzione Dottorati Innovativi con specializzazione in tecnologie abilitanti in Industria 4.0"</td><td colspan="2"><u>1</u> restricted subject
"Digital humanities. Digitalization, managing, and creation of indexes for documents collections in the fields of philology, history, and philosophy"

<u>1</u> restricted subject
"New remote sensing technologies for the identification and reconstruction of circuit walls in the Lucanian period"

For both fellowships a period abroad (from 3 to 6 months) and an internship in a firm (from 6 to 12 months) will be requested.</td></tr>
</table>

<table>
<tr><td rowspan="2">Positions reserved to students with foreign degree</td><td rowspan="2"></td><td>With scholarship</td><td>Without scholarship</td></tr>
<tr><td>0</td><td>0</td></tr>
<tr><td>Positions without scholarship</td><td></td><td colspan="2"><u>2 positions</u></td></tr>
<tr><td>Admission procedure</td><td colspan="3">The admission procedure is conducted through the:
a) evaluation of qualifications
b) written test
c) interview

For applicants residing abroad, the admission procedure is conducted through the:
a) evaluation of qualifications
b) interview</td></tr>
<tr><td>Evaluation criteria</td><td colspan="3">a) evaluation of qualifications: up to a maximum of 20 points
They will be allowed to written test candidates who have achieved a rating of not less than 12 points
b) written test: up to a maximum of 40 points
They will be allowed to interview candidates who have achieved a rating of not less than 24 points
c) interview: up to a maximum of 40 points
The interview will be considered passed if the candidates will be given an overall rating of not less than 24 points

For applicants residing abroad:
a) evaluation of qualifications: up to a maximum of 20 points
They will be allowed to interview candidates who have achieved a rating of not less than 12 points
b) interview: up to a maximum of 80 points
The interview will be considered passed if the candidates will be given an overall rating of no less than 48 points

Minimum total score: 60 out of 100.</td></tr>
<tr><td>Interview by teleconferencing for candidates residing abroad (please see art. 5 of the Call- Annex D)</td><td colspan="3">Yes (during the interview it will assess the knowledge of the Italian language)</td></tr>
<tr><td rowspan="4">Assessable qualifications</td><td colspan="2">Graduation Thesis
(the candidate must also submit a summary in Italian or English of the thesis of max 16,000 characters)</td><td>Up to 3 points</td></tr>
<tr><td colspan="2">Degree mark</td><td>Up to 10 points</td></tr>
<tr><td colspan="2">Scientific publications
(Articles in national and international scientific journals , proceedings of scientific conferences, books or book chapters)</td><td>Up to 3 points</td></tr>
<tr><td colspan="2">Other titles
(University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, …)</td><td>Up to 4 points</td></tr>
<tr><td>Written test program</td><td colspan="3">The written test will focus on the topics of the PhD program.</td></tr>
<tr><td>Interview program</td><td colspan="3">The interview will focus on the topics of the PhD program and on the content of the written test.</td></tr>
<tr><td>Foreign language</td><td colspan="3">English or French or German or Spanish (knowledge of a foreign language will be assessed during the interview)</td></tr>
</table>

Schedule of the admission tests	**Evaluation of qualifications: results will be available from <u>September 14, 2017</u>** on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html **Day of the written test: <u>September 20, 2017 – 15:00</u>** Department of Human Sciences (DiSU) – Via Nazario Sauro, 85, 85100 Potenza **Day of the interview: <u>September 26, 2017 - 15:00</u>** Department of Human Sciences (DiSU) – Via Nazario Sauro, 85, 85100 Potenza