

COURSE OF DOCTOR OF PHILOSOPHY IN “Information Technology for Engineering”				
Coordinator: prof. Luigi Glielmo, glielmo@unisannio.it				
Interested students are invited to contact the coordinator for inquiries regarding curricula and scientific fields				
PLACE			Department of Engineering	
DURATION			36 Months	
CURRICULA			a) Information Technology b) Energy and Environment	
Available Positions	Positions with University Scholarships	N. 6 (3 for curriculum a) and 3 for curriculum b)	Ph.D.scientific fields:	09/E - ELECTRICAL ENGINEERING, ELECTRONICS AND MEASURES 09/F - TELECOMMUNICATIONS AND ELECTROMAGNETIC FIELDS ENGINEERING 09/G - SYSTEMS ENGINEERING AND BIOENGINEERING 09/H - COMPUTER ENGINEERING 08/A - INFRASTRUCTURE AND TERRITORY ENGINEERING 08/B - STRUCTURAL AND GEOTECHNICAL ENGINEERING 08/F - PLANNING AND URBAN AND TERRITORIAL DESIGN 09/B - MANUFACTURING , PLANT AND MANAGEMENT ENGINEERING 09/C - ENERGY, THERMO-MECHANICAL AND NUCLEAR ENGINEERING 09/D - CHEMICAL AND MATERIALS ENGINEERING
	Positions reserved to students who are recipients of scholarships granted by foreign institutions	N. 2		
	Positions without University Scholarships	N. 2 (1 for curriculum a) and 1 for curriculum b)		
Supernumerary positions	Supernumerary Positions without scholarship reserved to candidates employed in Public Administration	N. 2	Ph.D.scientific fields:	09/E - ELECTRICAL ENGINEERING, ELECTRONICS AND MEASURES 09/F - TELECOMMUNICATIONS AND ELECTROMAGNETIC FIELDS ENGINEERING 09/G - SYSTEMS ENGINEERING AND BIOENGINEERING 09/H - COMPUTER ENGINEERING 08/A - INFRASTRUCTURE AND TERRITORY ENGINEERING 08/B - STRUCTURAL AND GEOTECHNICAL ENGINEERING 08/F - PLANNING AND URBAN AND TERRITORIAL DESIGN 09/B - MANUFACTURING , PLANT AND MANAGEMENT ENGINEERING 09/C - ENERGY, THERMO-MECHANICAL AND NUCLEAR ENGINEERING 09/D - CHEMICAL AND MATERIALS ENGINEERING
	Supernumerary Position with special research scholarship (“assegno di ricerca”) funded by “Horizon2020” - “Marie Skłodowska-Curie - Innovative Training Network (ITN)”, Project “Extreme Loading Analysis of Petrochemical Plants and Design of Metamaterial: Based Shields Enhanced Resilience (XP-RESILIENCE)”	N. 1		
Course Entry Requirements		Second-level degree (Master’s degree) or foreign degree equivalent to an		

	<p>Italian second-level degree in the following fields:</p> <p>LM-17 Physics LM-18 Computer Science LM-20 Aerospace and Aeronautical Engineering LM-21 Biomedical Engineering LM-22 Chemical Engineering LM-23 Engineering LM-24 Building Systems Engineering LM-25 Automation Engineering LM-26 Safety Engineering LM-27 Telecommunications Engineering LM-28 Electrical Engineering LM-29 Electronic Engineering LM-30 Energy and Nuclear Engineering LM-31 Management Engineering LM-32 Computer Engineering LM-33 Mechanical Engineering LM-34 Naval Engineering LM-35 Environmental Engineering and Territory LM-40 Mathematics LM-44 Physical-Mathematical Modelling for Engineering LM-53 Science and Engineering of Materials LM-54 Chemical Sciences LM-66 Information Security LM-91 Techniques and methods for the Information Society</p>		
Admission Procedure: Operating Methods	Qualifications, Curriculum vitae and Oral exam		
	Qualifications Evaluation	Up to 40 points	✓ Curriculum vitae with certified exams and marks (up to 30 points); ✓ Other (up to 10 points): <ul style="list-style-type: none"> ○ Reference letter(s); ○ Motivation letter; ○ Publications; ○ Other formation activities and/or research activities.
	Oral Exam	Up to 60 points	The interview will last approximately 30'. Candidates are asked to prepare a presentation regarding a research topic for each curriculum chosen, also using audio-visual means (maximum 15'). The interview includes an evaluation of English language skills. Applicants will pass the oral exam if report 30 points at least. The interview can be conducted in "teleconference" for foreign applicants; Italian applicants must justify the request with adequate documentation.
Admission Tests: Dates	Oral Exam	Dates, times and locations will be announced in a notice published on the website http://www.unisannio.it/ricerca/avvisidottorati/index.php by October 10th, 2016	Place: Department of Engineering
	Language	Italian or English	
Exam topic	Topic chosen by the applicant within the scientific fields covered by the Ph.D. program. Candidates are asked to prepare a presentation regarding a research topic for each curriculum chosen.		

Place where to submit applications	Office: "Segreteria e Protocollo", Università degli Studi del Sannio, Complesso Immobiliare denominato "Palazzo San Domenico", Piazza Guerrazzi, n. 1 – 82100 Benevento
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COURSE OF DOCTOR OF PHILOSOPHY IN "Person, Market, Institutions" Coordinator: prof. Antonella Tartaglia Polcini, antonella.tartagliapolcini@unisannio.it			
PLACE		DEPARTMENT OF LAW, ECONOMICS, MANAGEMENT AND QUANTITATIVE METHODS (DEMM)	
DURATION		36 Months	
CURRICULA		a) The person and its rights between market and institutions b) Economic development and individual wellbeing. Businesses, market and public institutions	
Available Positions	Positions with University Scholarships	N. 6	<p>Ph.D. scientific fields:</p> <p><u>Curriculum a)</u></p> <p><u>The person and its rights between market and institutions</u></p> <p>The curriculum a) includes the following scientific fields stated in the proposal presented to MIUR and experimentally validated by ANVUR:</p> <p>IUS/01 Private law IUS/02 Comparative private law IUS/04 Business law IUS/05 Economics law IUS/07 Labour law IUS/10 Administrative law IUS/13 International law IUS/15 Civil procedural law MED/43 Forensic medicine SPS/02 History of political thought</p> <p>The applicant must select in the application form the curriculum and <u>one between the following scientific fields:</u></p> <p>IUS/01 Private Law IUS/07 Labour law SPS/02 History of Political Thought</p> <p>The applicant must select in the application form one curriculum and <u>one scientific field.</u> Failure to comply will result in exclusion from the competition.</p> <p><u>Curriculum b)</u></p> <p><u>Economic development and individual wellbeing</u> <u>Businesses, market and public institutions</u></p> <p>The curriculum b) includes the following scientific fields stated in the proposal presented to MIUR and experimentally validated by ANVUR:</p> <p>SECS P01 Political economy SECS P04 History of economic thought SECS P07 Business administration and management SECS P08 Management SECS P12 Economic history SECS P10 Organization study SECS P11 Financial markets and institutions SECS S06 Mathematical methods of economy, finance and actuarial sciences SECS S01 Statistics AGR 01 Agricultural economics and rural appraisal</p> <p>The applicant must select in the application</p>

				<p>form <u>one curriculum and one scientific field</u>. Failure to comply will result in exclusion from the competition.</p> <p>The applicant must select in the application form the curriculum and <u>one between the following scientific fields</u>:</p> <p>SECS P04 History of economic thought SECS P07 Business administration and management SECS P08 Management SECS P10 Organization study SECS S01 Statistics</p>
Positions without University Scholarships	N. 2	Ph.D. scientific fields:		<p><u>Curriculum a)</u></p> <p><u>The person and its rights between market and institutions</u></p> <p>The curriculum a) includes the following scientific fields stated in the proposal presented to MIUR and experimentally validated by ANVUR:</p> <p>IUS/01 Private law IUS/02 Comparative private law IUS/04 Business law IUS/05 Economics law IUS/07 Labour law IUS/10 Administrative law IUS/13 International law IUS/15 Civil procedural law MED/43 Forensic medicine SPS/02 History of political thought</p> <p>The applicant must select in the application form the curriculum and <u>one between the following scientific fields</u>:</p> <p>IUS/01 Private Law IUS/07 Labour law SPS/02 History of Political Thought</p> <p>The applicant must select in the application form <u>one curriculum and one scientific field</u>. Failure to comply will result in exclusion from the competition.</p> <p><u>Curriculum b)</u></p> <p><u>Economic development and individual wellbeing Businesses, market and public institutions</u></p> <p>The curriculum b) includes the following scientific fields stated in the proposal presented to MIUR and experimentally validated by ANVUR:</p> <p>SECS P01 Political economy SECS P04 History of economic thought SECS P07 Business administration and management SECS P08 Management SECS P12 Economic history SECS P10 Organization study SECS P11 Financial markets and institutions SECS S06 Mathematical methods of economy, finance and actuarial sciences SECS S01 Statistics AGR 01 Agricultural economics and rural appraisal</p> <p>The applicant must select in the application form <u>one curriculum and one scientific field</u>. Failure to comply will result in exclusion from the competition.</p> <p>The applicant must select in the application</p>

				<p>form the curriculum and <u>one between the following scientific fields:</u></p> <p>SECS P04 History of economic thought SECS P07 Business administration and management SECS P08 Management SECS P10 Organization study SECS S01 Statistics</p>
Course Entry Requirements	<p>Second-level degree (Master's degree) or equivalent in the following fields:</p> <p>For curriculum a) The person and its rights between market and institutions,</p> <p>Second-level degrees (Master's degree) awarded in Italy:</p> <p>LMG/01 LM-56 LM-62 LM-63 22/S 64/S 70/S 71/S</p> <p><i>Degrees awarded with the system preceding D.M. 509/99 e 270/04 in Law, Economics and Economic Policy.</i></p> <p>Second-level degree (Master's degree) awarded abroad:</p> <p><i>Classes or degree sectors equivalent to those required for Italian citizens; English language skills.</i></p>			
	<p>For curriculum b) Economic development and individual wellbeing. Businesses, market and public institutions,</p> <p>Second-level degrees (Master's degree) awarded in Italy:</p> <p>LM-56 LM-76 LM-77 LM-82 LM-83 64/S 83/S 84/S 91/S</p> <p><i>Degrees awarded with the system preceding D.M. 509/99 e 270/04 in Economics, Statistics and actuarial sciences.</i></p> <p>Second-level degree (Master's degree) awarded abroad:</p> <p><i>Classes or degree sectors equivalent to those required for Italian citizens; English language skills.</i></p>			
Admission Procedure: Operating Methods	Qualifications, Written and Oral exam			
	Qualifications Evaluation	Up to 10 points		<p>✓ Profit in academic career certified by a self-declaration of graduation, with the specification of exams taken and marks (up to 1,5 points);</p> <p>✓ Degree mark:</p> <ul style="list-style-type: none"> - From 66 up to 76 - 0 point; - From 77 up to 87 - 0,3 point; - From 88 up to 98 - 0,6 point;

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			<ul style="list-style-type: none"> - From 99 up to 106 - 1 point; - From 107 up to 109 - 1,5 points; - 110 - 1,8 points; - 110 with honors - 2 points <ul style="list-style-type: none"> ✓ Relevancy of the final dissertation to the themes of research of PhD (presenting CD with final version of the dissertation in PDF) - (1,5 points); ✓ Publications relevant to the PhD scientific fields and topics (up to 2,5 points - 0,5 points for each publication); ✓ Other formation activities and/or research activities properly documented and relevant to the PhD scientific fields and topics (up to 2,5 points);
	Written exam: essay	From 30 up to 50 points	Will be eligible to the oral examination the applicant who have reported in the written exam 30 points at least
	Oral exam	From 24 up to 40 points	applicants will pass the oral exam if report 24 points at least
Admission Tests: Dates	Written exam	Dates, times and locations will be announced in a notice published on the website http://www.unisannio.it/ricerca/avvisidottorati/index.php by October 10th, 2016	Place: Department of Law, Economics, Management and Quantitative Methods (DEMM), Via Calandra.
	Oral exam	Dates, times and locations will be announced in a notice published on the website http://www.unisannio.it/ricerca/avvisidottorati/index.php October 10th, 2016	Place: Department of Law, Economics, Management and Quantitative Methods (DEMM), Via Calandra.
	Language	Italian or English	
Exam topic	Topic chosen by the applicant within the scientific fields covered by the Ph.D. program. During the oral exam will be tested the knowledge on the foreign language chosen by the applicant.		
Place where to submit applications	Office: "Segreteria e Protocollo", Università degli Studi del Sannio, Complesso Immobiliare denominato "Palazzo San Domenico", Piazza Guerrazzi, n. 1 – 82100 Benevento		

COURSE OF DOCTOR OF PHILOSOPHY IN “Science and Technology for Environment and Health - STAS” Coordinator: prof. Francesco Maria Guadagno, guadagno@unisannio.it Interested students are invited to contact the coordinator for inquiries on research topics			
PLACE		Department of Science and Technology	
DURATION		36 Months	
Available Positions	Positions with University Scholarships	N. 6	
	Position without University Scholarships	N. 2	
Course Entry Requirements		Second-level degree (Master's degree) Master's degree or equivalent foreign degree to an Italian second-level degree in one of the research topics below	
Admission Procedure: Operating Methods	Qualifications Evaluation and oral exam		
	Qualifications Evaluation (Curriculum Vitae and certifications)	Up to 40 points	✓ Final Mark and Dissertation Topic (up to 30 points); ✓ Others (up to 10 points): <ul style="list-style-type: none"> ○ Reference letter(s) by outside scholars; ○ Publications; ○ Others formation activities and/or research activities. ○ Language certification and others
	Oral Exam	From 30 up to 60 points	The interview will last approximately 20'. Candidates are asked to prepare a presentation regarding the chosen research topic, also using audio-visual means (maximum 15'). The interview includes an evaluation of English language skills. Applicants will pass the oral exam if report 30 points at least. The interview can be conducted in “teleconference” for foreign applicants; Italian applicants must justify the request with adequate documentation.
Admission Tests: Dates	Oral Exam	Dates, times and locations will be announced in a notice published on the website http://www.unisannio.it/ricerca/avvisidottorati/index.php by October 10th, 2016	Place: Department of Science and Technology

<p>Research topics to be chosen by applicants</p>	<ol style="list-style-type: none"> 1. Monitoring of a landslide with integrated technologies. 2. Rating-quantitative food resources with particular reference to the characterization of the nutraceutica and functional component and study of beneficial effects of it on an experimental pathway in vivo and in vitro. 3. Seismological studies for the definition of the subsurface velocity structure, site effects and the identification of active faults. 4. Morpho-functional aspects of mitochondria in dismetabolie. 5. Environmental Pollutants and neurodegeneration. 6. Integrative Bioinformatics and Systems Biology for the analysis and processing of genomic data on a large scale. 7. Marine Geology: seismic-stratigraphic analysis through profiles VHR Chirp and physical stratigraphy and sedimentology of coring analysis carried out in the Gulf of Taranto. 8. Organic and inorganic pollutants and their effects on soil microbial community. 9. The phenomenon of resistance to antimicrobials and the need for new and alternative approaches to the treatment and prevention of diseases caused by microorganisms. 10. Methods of monitoring and control of quality and quantity of surface and ground water resources. 11. Studies of the associations in limestone nannoplankton aimed at the reconstruction of the main stages of emplacement of the Apennines and the evolution of the circum-Mediterranean climate, useful for the development of risk mitigation strategies, protection and conservation of natural resources and sustainable development of the territory. 12. Analysis of the recharge of karst aquifers: quantitative and monitoring methods. 13. Biochemical and structural characterization of proteins involved in human disease. 14. The epigenetic modifications and their association with gene expression changes in development and pathological conditions. 15. Mineralogy applied to the environment and health.
<p>Place where to submit applications</p>	<p>Office: "Segreteria e Protocollo", Università degli Studi del Sannio, Complesso Immobiliare denominato "Palazzo San Domenico", Piazza Guerrazzi, n. 1 – 82100 Benevento</p>