

<b>COURSE OF DOCTOR OF PHILOSOPHY IN “Information Technology for Engineering”</b> <b>Coordinator: prof. Luigi Glielmo, glielmo@unisannio.it</b> <b>Interested students are invited to contact the coordinator for inquiries regarding curricula and scientific fields</b>			
<b>PLACE</b>		<b>Department of Engineering</b>	
<b>DURATION</b>		36 Months	
<b>CURRICULA</b>		a) Information Technology b) Energy and Environment	
<b>Available Positions</b>	With University Scholarships	N. 6	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
	Scholarships funded and provided by C.E.R.N.	N. 2	
	Without University Scholarships	N. 3	
<b>Course Entry Requirements</b>		Second-level degree (Master’s degree) or foreign degree equivalent to an Italian second-level degree in the following fields: 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	
<b>Admission Procedure: Operating Methods</b>	Qualifications, Curriculum vitae and Oral exam		
	Qualifications Evaluation	Up to 40 points	✓ Curriculum vitae with certified exams and marks (up to 15 points); ✓ Final Mark and Dissertation Topic (up to 15 points); ✓ Other (up to 10 points): <ul style="list-style-type: none"> <li>○ Reference letter(s);</li> <li>○ Publications;</li> <li>○ Other formation activities and/or research activities.</li> </ul>
	Oral Exam	From 30 up to 60 points	The interview will last approximately 30'. Candidates are asked to prepare a presentation regarding a research topic,

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			also using audio-visual means (maximum 15'). The interview includes an evaluation of English language skills. The interview can be conducted in "teleconference" for foreign applicants; Italian applicants must justify the request with adequate documentation.
<b>Admission Tests: Dates</b>	Oral Exam	Date and hour: 27 <sup>th</sup> October 2014 – 10:00 a.m.	Place: Department of Engineering
	Language	Italian or English	
<b>Exam topic</b>	Topic chosen by the applicant within the scientific fields covered by the Ph.D. program.		
<b>Place where to submit applications</b>	Ufficio "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 “Person, Market, Institutions” Coordinator: prof. Antonella Tartaglia Polcini, <a href="mailto:antonella.tartagliapolcini@unisannio.it">antonella.tartagliapolcini@unisannio.it</a>			
PLACE		DEPARTMENT OF LAW, ECONOMICS, MANAGEMENT AND QUANTITATIVE METHODS (DEMM)	
DURATION		36 Months	
CURRICULA		<p>a) The person and its rights between market and institutions b) Economic development and individual wellbeing. Businesses, market and public institutions</p>	
Available Positions	With University Scholarships	N. 6	<p>Ph.D. scientific fields:</p> <p><b><u>Curriculum a)</u></b> <b><u>The person and its rights between market and institutions</u></b> The curriculum a) includes the following scientific fields stated in the proposal presented to MIUR and experimentally validated by ANVUR: 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><b>The applicant must select in the application form the curriculum and one between the following scientific fields:</b> <b>IUS/01 PRIVATE LAW</b> <b>IUS/05 ECONOMICS LAW</b> <b>IUS/13 INTERNATIONAL LAW</b></p> <p><b>The applicant must select in the application form one curriculum and one scientific field. Failure to comply will result in exclusion from the competition.</b></p> <p><b><u>Curriculum b)</u></b> <b><u>Economic development and individual wellbeing</u></b> <b><u>Businesses, market and public institutions</u></b> The curriculum b) includes the following scientific fields stated in the proposal presented to MIUR and experimentally validated by ANVUR: 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><b>The applicant must select in the application form one curriculum and one scientific field. Failure to comply will result in exclusion from the competition.</b></p>

	Without University Scholarships	N. 2	Ph.D. scientific fields:	<p><b><u>Curriculum a)</u></b></p> <p><b><u>The person and its rights between market and institutions</u></b></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 <input type="checkbox"/> 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><b>The applicant must select in the application form the curriculum and one between the following scientific fields:</b></p> <p><b>IUS/01 PRIVATE LAW  IUS/05 ECONOMICS LAW  IUS/13 INTERNATIONAL LAW</b></p> <p><b>The applicant must select in the application form one curriculum and one scientific field. Failure to comply will result in exclusion from the competition.</b></p> <p><b><u>Curriculum b)</u></b></p> <p><b><u>Economic development and individual wellbeing Businesses, market and public institutions</u></b></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><b>The applicant must select in the application form one curriculum and one scientific field. Failure to comply will result in exclusion from the competition.</b></p>
<b>Course Entry Requirements</b>	<p><b>Second-level degree (Master's degree) or equivalent in the following fields:</b></p> <p><b>For curriculum a) The person and its rights between market and institutions,</b></p> <p><b>Second-level degrees (Master's degree) awarded in Italy:</b></p> <p><i>LMG/01  LM-56  LM-62  LM-63</i></p>			

	<p>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><b>Second-level degree (Master's degree) awarded abroad:</b></p> <p><i>Classes or degree sectors equivalent to those required for Italian citizens; English language skills.</i></p> <hr/> <p><b>For curriculum b) Economic development and individual wellbeing. Businesses, market and public institutions,</b></p> <p><b>Second-level degrees (Master's degree) awarded in Italy:</b></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><b>Second-level degree (Master's degree) awarded abroad:</b></p> <p><i>Classes or degree sectors equivalent to those required for Italian citizens; English language skills.</i></p>		
<p><b>Admission Procedure: Operating Methods</b></p>	<p><b>Qualifications, Written and Oral exam</b></p>		
	<p>Qualifications Evaluation</p>	<p>Up to 10 points</p>	<ul style="list-style-type: none"> <li>✓ Profit in academic career certified by a self-declaration of graduation, with the specification of exams taken and marks (up to 1,5 points);</li> <li>✓ Degree mark: <ul style="list-style-type: none"> <li>- From 66 up to 76 - 0 point;</li> <li>- From 77 up to 87 - 0,3 point;</li> <li>- From 88 up to 98 - 0,6 point;</li> <li>- From 99 up to 106 - 1 point;</li> <li>- From 107 up to 109 - 1,5 points;</li> <li>- 110 - 1,8 points;</li> <li>- 110 with honors - 2 points</li> </ul> </li> <li>✓ 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);</li> <li>✓ Publications relevant to the PhD scientific fields and topics (up to 2,5 points - 0,5 points for each publication);</li> </ul>

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			✓ 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
<b>Admission Tests: Dates</b>	Written exam	Day and hour: 21 <sup>st</sup> October 2014 – 10:30 a.m. (excluded for foreign applicants)	Place: Department of Law, Economics, Management and Quantitative Methods (DEMM), Via Calandra.
	Oral exam	Day and hour: 24 <sup>th</sup> October 2014 – 11:00 a.m. (in Skype Teleconference for foreign applicants)	
	Language	Italian or English	
<b>Exam topic</b>	<b>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.</b>		
<b>Place where to submit applications</b>	Ufficio "Segreteria e Protocollo", Università degli Studi del Sannio, Complesso Immobiliare denominato "Palazzo San Domenico", Piazza Guerrazzi, n. 1 – 82100 Benevento		

<b>COURSE OF DOCTOR OF PHILOSOPHY IN “Science and Technology for Environment and Health - STAS”</b>			
<b>Coordinator: prof. Francesco Maria Guadagno, guadagno@unisannio.it</b>			
Interested students are invited to contact the coordinator for inquiries on research topics			
<b>PLACE</b>		<b>Department of Science and Technology</b>	
<b>DURATION</b>		36 Months	
<b>Available Positions</b>	With University Scholarships	N. 6	PhD research topics
	Without University Scholarships	N. 2	PhD research topics
<b>Course Entry Requirements</b>		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	
<b>Admission Procedure: Operating Methods</b>	Qualifications Evaluation and oral exam		
	Qualifications Evaluation (Curriculum Vitae and certifications)	Up to 40 points	<ul style="list-style-type: none"> <li>✓ Final Mark and Dissertation Topic (up to 30 points);</li> <li>✓ Others (up to 10 points): <ul style="list-style-type: none"> <li>○ Reference letter(s);</li> <li>○ Publications;</li> <li>○ Others formation activities and/or research activities.</li> <li>○ Language certification and others</li> </ul> </li> </ul>
	Oral Exam	From 30 up to 60 points	The interview will last approximately 30'. 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. The interview can be conducted in “teleconference” for foreign applicants; Italian applicants must justify the request with adequate documentation.
<b>Admission Tests: Dates</b>			
	Oral Exam	Date and hour: 21th October - 11:00 a.m.	Place: Department of Science and Technology
<b>Research topics to be chosen by applicants</b>	<p>Environmental pollutants and degenerative diseases</p> <p>Spectroscopic methods aimed at solving environmental problems</p> <p>Identification of early molecular markers in the diagnosis of colon cancer</p> <p>Molecular characterization of cancer</p> <p>Identification, characterization and possible therapeutic use of new natural and synthetic compounds such as ligands for nuclear receptors</p> <p>Endocrinology and metabolism</p>		

	<p>Characterization of active ingredients extracted from native cultivars typical of the area of the Campania region</p> <p>Geological aspects applied in seismic micro-zoning</p> <p>Bioinformatics: data analysis for biomarker discovery</p> <p>Analysis of hydrogeological and hydrological processes at the base of the aquifer recharge and innovative methodologies for the management of water resources</p> <p>Endocrine regulation in energy metabolism at the cellular and molecular level</p> <p>Advanced proteomic techniques for the study of complex biological systems</p> <p>Regulation of calcium cellular levels: ionic mechanisms and degenerative diseases</p> <p>Development of new knowledge of the processes that regulate climate variability in the short and long term in order to implement innovative technologies and methodologies for the management of groundwater resources.</p> <p>Development and analysis of inflammatory syndromes in animal models</p> <p>Design and synthesis of new polymeric materials for biomedical applications</p>
<b>Place where to submit applications</b>	Ufficio "Segreteria e Protocollo", Università degli Studi del Sannio, Complesso Immobiliare denominato "Palazzo San Domenico", Piazza Guerrazzi, n. 1 – 82100 Benevento