

PhD Course in	ACCOUNTING, MANAGEMENT AND BUSINESS ECONOMICS
Coordinator	Prof. Massimo SARGIACOMO - Department: Management and Business Administration email: massimo.sargiacomo@unich.it
Duration	3 years - Starting date : November 1 st , 2021
Disciplines	Accounting, Business Administration and Management, Management, Organization Studies, Economics and Political Economy
PhD Programme description	<p>The PhD Programme aims to develop necessary skills and solid methodological bases for doing – in business organizations, public administrations and other public and private organizations – highly qualified research activities at national and international level in themes encompassed within accounting, business administration, management and economics disciplines. In particular, the PhD Programme focuses, among the others, on the following research areas: Financial Reporting; Managerial Accounting; Corporate Governance; Accounting and Management of Smart Cities and Communities; Accounting and Business History; Big Data and Performance Evaluation; Corruption and Frauds in the Public and the Private Sectors; Management of Innovation, also in the industry 4.0; Healthcare Management Research; Public sector Accounting and Management; Quality Management and accounting in Higher Education; Operations Management; Accounting and Management of Agro-Food Industry; Disaster Recovery and Resilience of Local Damaged and Secluded Territories; Financial Networks and Risk Modelling; Economics of Innovation. In terms of expected learning outcomes (scientific knowledge and research skills), at the end of the Programme, PhD graduates will be able to autonomously elaborate and develop a research project with an appropriate methodology (quantitative and/or qualitative), produce scientific publications of high national and international value, use the main qualitative research softwares (eg.nVIVO, ATLAS.ti) as well as quantitative ones (eg. STATA,).</p> <p>In the three years, research periods of at least 6 months abroad are required, with stays of no less than 3 months each.</p>
Available positions	<p>n. 10 places of which:</p> <p>n. 4 with scholarships funded by the University</p> <p>n. 1 position reserved for employees (maintaining their salary) from P&F Technology (industrial doctorate) on the topic: “Criticalities in the execution of structural funds and RRNP: Balanced Scorecard and KPI for measuring performance and impact.”</p> <p>n. 1 position reserved for employees (maintaining their salary) from Synergo srl (industrial doctorate) on the topic: “Management Accounting and Performance Measurement in Private Healthcare Groups”</p> <p>n. 1 position reserved for employees (maintaining their salary) from SIDA Group Srl (industrial doctorate) on the topic: “Internationalization Strategies and Digital Innovation in High Professional Training Private Companies.”</p> <p>n. 3 positions reserved for employees (maintaining their salary) from Beijing Zhongkun Technology Trading Co. Ltd (industrial doctorate) on the topics:</p> <p>a) Internationalization Strategies of China based MNOs; b) Digital Transformation in Logistics and Supply Chain of China based MNOs; c) Management of Cultural and Arts Events of China based MNOs.</p>
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Language/s	English language knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<ol style="list-style-type: none"> CV in European format; summary of the degree thesis (up to 10.000 characters); list of any publication with bibliographic references (e.g. ISSN, ISBN); research proposal (up to 10.000 characters); any certificate of knowledge of foreign languages.
Selection procedures and criteria	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - qualifications (max score 30/100); - oral exam (max score 70/100);

	<p>it will consist on a) discussion of the degree thesis (max 10 points); b) assessment of foreign language knowledge conducted by oral examination, whole or in part in English (max 20 points); c) the discussion of the research proposal, with particular reference to methodological consistency and motivation (max 40 points).</p> <p>Candidates asking for a remote interview will be contacted via e-mail by the Admission Committee in order to define date and time of the interview.</p> <p>Minimum score required: 60/100.</p>
<p>Exam date</p>	<p>The oral exam will take place on the 6th of September 2021 at 8:30 a.m. in the Room of the Department of Management and Business Administration (DEA) situated in the Campus headquarters of Pescara, at Viale Pindaro, 42. If it will not be possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.</p>

PhD Course in	MEDICAL BIOTECHNOLOGIES
Coordinator	Prof. Stefania FULLE - Department: Neuroscience, Imaging e Clinical Sciences email: stefania.fulle@unich.it
Duration	3 years - Starting date : November 1 st , 2021
Disciplines	Physiology, Biochemistry, Clinical biochemistry and clinical molecular biology, Pharmacology, Human anatomy, Cardiovascular diseases, Oral diseases and dentistry, Eye diseases, Applied medical techniques, Medical and biotechnology laboratory techniques
PhD Programme description	The PhD is designed to prepare graduate researchers in scientific disciplines from different fields of medical biomedical and biotechnological areas. The training will include the achievement of objectives related to the use of innovative techniques and methods (genomics, proteomics, metabolomics) apt to increase the effectiveness of adaptive approaches, pharmacological and technological regenerative medicine and/or reconstructive. This will allow to address issues related to induced changes from age and/or different physiopathological states in specific tissues of man and apparatuses. In particular, will be addressed and developed techniques using stem cells and scaffolds of new generation for the approach to the problems associated with the processes of repair and/or recovery of skeletal muscle, heart, bone and eye. Some diseases such as cardiovascular disease, inflammation and various cancer forms will be investigated with biotechnological approaches in order to identify and develop both early markers of pathogenesis and new therapeutic approaches. In dentistry, the research fields will be related to the biological properties and the ability to use in the clinic many biomaterials used to replace the bone. The goal will be the use of some of these biomaterials engineered with stem cells for the regeneration of tissues and the development of diagnostic methods such as microscopy confocal <i>in vivo</i> , enabling a precise assessment of functional impairment
Curricula	Functional Biotechnologies
	Technological Innovation in Cardiovascular and Pharmacological Sciences
	Biotechnologies in Integrated Surgery
Available positions	n. 10 places of which:
	n. 4 with scholarships funded by the University
	n. 1 scholarship funded by CAST, Dipartimento di Neuroscienze e Imaging e Dipartimento di Medicina e Scienze dell'Invecchiamento on the exclusive project "Evaluation of thrombin generation related to the fluid dynamics of the cardiac chambers in patients with atrial fibrillation"
	n. 1 position reserved to research fellows on the exclusive project "Tumour Engineering 3D approaches as more predictive preclinical models"
	n. 4 position reserved to employees (maintaining their salary) of the Company Synergo , Srl involved in high qualification activities (industrial Doctorate)
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Language/s	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<ol style="list-style-type: none"> CV (in European format, limited to academic degrees and scientific and/or professional achievements coherent to the Ph.D. program; max 10.000 characters); diploma supplement or list of the examinations and marks (included marks of the 2° level degree); name, qualification, affiliation and e-mail of one expert willing to send, on request of the Admission Committee, a presentation letter; abstract of the 2nd level degree thesis (max 10.000 characters); research proposal (max 10.000 characters); list of publications (if available) with bibliographical references to ISSN/ISBN or DOI; any certification of English knowledge.
Selection procedures and criteria	Qualifications and exams: <ul style="list-style-type: none"> - qualifications (max score 40/100); - oral exam (max score 60/100).

	<p>The oral exam will consist of a discussion of: a) degree thesis; b) publications; c) a given topic in English language, chosen among several ones, selected by the Admission Committee (for foreign applicants, the interview will be carried out in English); d) the research proposal.</p> <p>Minimum score required: 60/100.</p>
Exam date	<p>The oral exam will take place on the 23rd of September 2021 at 9.00 a.m. The exam will be held in remote, indications concerning the chosen platform will be specified later.</p>

PhD Course in	BUSINESS AND BEHAVIOURAL SCIENCES
Coordinator	Prof. Riccardo PALUMBO Department of Neuroscience, Imaging and Clinical Sciences email: r.palumbo@unich.it Url: http://www.bbs.unich.it
Duration	3 years - Starting date: November 1 st , 2021
Disciplines	Economics, Business administration and management, Finance, Organization studies, Statistics, Mathematical methods of economy, Finance and actuarial sciences, General psychology, Psychobiology and physiological psychology, Developmental and educational psychology, Social psychology.
PhD Programme description	<p>The Ph.D in Business & Behavioural Sciences was born within the context of the latest behavioural and experimental shift that has revolutionized economics and management.</p> <p>Set with an interdisciplinary approach, the Ph.D aims at giving students the opportunity to learn the founding elements of the behavioural sciences – from an epistemic, theoretical and methodological point of view – and of their application in all of the areas of business (economics, finance, management, accounting, marketing, leadership, organizational behaviour). With respect to the ERC panel descriptors, the Ph.D. integrates SH1 research area (Individuals, Institutions and Markets: Economics, finance and management) with SH4 research area (The Human Mind and Its Complexity: Cognitive science, psychology, linguistics, education).</p> <p>Future employment opportunities:</p> <p>The main employment opportunities for future Ph.D holders are in the managerial field, for medium-large companies (that are typically active on both a domestic and an international level). The future Ph.D holders interested in pursuing an academic career will be able to work in research centers (including non-university ones) or in other public and private bodies, in Italy or abroad. The Ph.D aims at making future students able to be employable in the following professional areas:</p> <ul style="list-style-type: none"> - Managerial positions (for both private or public and profit or non-profit organizations); administration, accounting, marketing, HR. - Researcher in the Ph.D research areas. <p>Students are expected to undergo a visiting period for study and research purposes of at least 6 months.</p>
Available positions	n. 7 places , of which:
	n. 4 scholarships funded by the University
	n. 1 places without scholarship :
	n. 1 position reserved to employees (maintaining their salary) of the Company UdA-Analytics , involved in high qualification activities (Industrial Doctorate) on the topic: "Behavioural Economics and Business Management"
	n. 1 position reserved to employees (maintaining their salary) of the Company ME Electronics involved in high qualification activities (Industrial Doctorate) on the topic: "Behavioural Economics and Business Management"
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Language/s	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<ol style="list-style-type: none"> 1. CV European format (in English); 2. motivation letter (in English); 3. research proposal (in English).
Selection procedures and criteria	<p>Candidates will undergo an oral exam (in remote).</p> <p>During the oral exam, candidates will: a) discuss their CV (max 20 points); b) discuss their motivation letter (max 20 points); c) discuss their research proposal (max 40 points); d) undergo an English knowledge assessment (by discussing the above-mentioned points in English in part or totally, max 20 points).</p> <p>In order to be eligible, candidates must achieve a total score of at least 60/100 points.</p>
Exam date	The oral exam will take place remotely starting on the 17th of September 2021 at 10.00 am, on the Zoom platform.

PhD Course in	BUSINESS, INSTITUTIONS, MARKETS
Coordinator	Prof. Federico BRIOLINI - Department of Legal and Social Sciences email: federico.briolini@unich.it
Duration	3 years - Starting date: November 1 st , 2021
Disciplines	Informatics, Commercial Law, Public Law, Administrative Law, Tax Law, Probability and statistics, Economic and political geography, Economics, Economic Policy, Public economics, Applied economics, Business administration and accounting studies, Management, Organization and human resource management, Financial markets and institutions, Economic history, Commodity sciences, Economic statistics.
PhD Programme description	<p>The Ph.D. programme in BUSINESS, INSTITUTIONS, MARKETS (BIM) lies mainly within the sectors of the European Research Council (ERC) "SH1 Individuals, institutions and markets" and "SH2 Institutions, values, beliefs and behavior". The title of the programme derives from the integration of these sectors. This area of research stands out for its markedly interdisciplinary approach to complex issues regarding companies, the markets in which they operate, their interrelations with other institutions, as well as the natural environment and territory.</p> <p>The PhD program in BIM aims at training high-profile scholars able to analyse complex problems in the economic and law sectors through a multidisciplinary approach, also including information technology and mathematical skills. At the completion of their studies, doctoral students will have assimilated an integrated knowledge of the theoretical and methodological issues of business, economic and law disciplines and will be able to use the acquired tools for the analysis and solution of both theoretical and empirical problems.</p> <p>The PhD Training Programme includes courses aimed at homogenising the common body of knowledge necessary for the development of multidisciplinary interactions, as well as specialised courses aimed at developing original research, the results of which can be subject to publication through the best scientific channels of the field. The enhancement of each student's skills will take place through individual research projects, through sharing and cross-fertilisation of the various disciplinary approaches in order to arrive at the ultimate goal of developing critical thinking skills and scientific autonomy.</p> <p>The doctoral students are required to spend abroad a minimum period of three months throughout the three years carrying out research activities in internationally-recognised training and research organisations.</p>
Available positions	<p>n. 8 places, of which:</p> <p>n. 4 with scholarship funded by the University</p> <p>n. 1 scholarship "Fondo Sostegno Giovani" bound on the following research topic: "Formal methods for the analysis and verification of networks and software systems".</p> <p>n. 1 position reserved to employees (maintaining their salary) of the Company CREA Srl, involved in high qualification activities (Industrial Doctorate) on the topic: "Training and validation of skills, in particular in socio-health and health services".</p> <p>n. 1 position reserved to employees (maintaining their salary) of UNIDROIT, involved in high qualification activities (Industrial Doctorate) on the topic: "Financial Markets in the age of Digital Assets: the role of Private Law".</p> <p>n. 1 position reserved to employees (maintaining their salary) of the Company OLINDA SAS involved in high qualification activities (Industrial Doctorate) on the topic: "Open banking & API economics for business payment management: integrated tools to automate financial and accounting processes".</p>
Admission requirements	See article 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Language/s	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<ol style="list-style-type: none"> 1. <i>CV</i> (limited to academic degrees and scientific and/or professional achievements consistent with the Ph.D. programme; max 10 000 characters); 2. <i>diploma supplement</i> or list of the examinations and marks (included final marks of the 2nd level degree); 3. <i>abstract</i> of the 2nd level degree thesis (max 10 000 characters);

	4. <i>research proposal</i> (max 10 000 characters).
Selection procedures and criteria	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - assessment of qualifications and research proposal (max score 50/100); - oral interview (max score 50/100): <p>it will consist of: a) discussing the 2nd level degree thesis; b) discussing the research proposal; c) demonstrating the knowledge of English (by submitting to the candidate a text randomly chosen from an adequate number of texts provided by the Admission Committee); d) discussing the specific research topic (additional test, only for those candidates applying for a position bound on a specific research topic).</p> <p>Candidates living abroad asking for a remote interview will be contacted via e-mail by the Admission Committee.</p> <p>Minimum score required: 60/100.</p>
Exam date	<p>The oral exam will take place on the 16th of September 2021 at 9:30 a.m. in the Campus headquarters of Pescara, Viale Pindaro, 42. If it will not be possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.</p>

PhD Course in	CULTURAL HERITAGE STUDIES. TEXTS, WRITINGS, IMAGES
Coordinator	Prof. Carmine CATENACCI, Department: Literature, Arts and Social Sciences email: carmine.catenacci@unich.it
Duration	3 years - Starting date: November 1 st 2021
Disciplines	Greek History, Greek Language and Literature, Roman History, Latin Language and Literature, Classical Philology, Romance Philology and Linguistics, Medieval Latin Philology and Literature, Medieval History, Palaeography, Medieval Art History, Modern Art History, Contemporary Art History, Museology, Art Criticism and Art Restoration.
PhD Programme description	<p>The present PhD programme aims at promoting the study of the cultural heritage of the Ancient world and, in particular, of the transmission of classical culture in its manifold themes and forms: the tradition of texts, documents and historical sources; the survival and recurrences of ancient art and literature; the evolution of writings and book forms.</p> <p>As classical civilization constitutes the backbone of the western culture, it has deeply influenced the development of the European cultural heritage by engaging a productive dialectic between continuity and innovation in different periods and contexts.</p> <p>The PhD programme provides future scholars with highly specialized and up to date research tools and methods, in order to allow students to: 1) gain a thorough knowledge of both the material and conceptual dimensions of the transmission of the Classics; 2) understand and enhance the fundamental contribution of the Middle and Modern Ages in the process of acquisition and transmission of the Ancient culture. Although interdisciplinary, the programme is focused on a well-defined issue; it seeks to give specific methodological competences in the fields of palaeography and diplomatics, philology, critical analysis of literary texts and art works, historical and art historical sources. All such skills are necessary to a proper and solid research in the tradition, reception and interpretation of the ancients from the origins to our contemporary age.</p>
Available positions	<p>n. 6 places of which:</p> <p>n. 4 scholarships funded by the University</p> <p>2 positions reserved to foreign PhD students possessing a fellowship from a foreign country</p>
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Language/s	The knowledge of one of the following foreign languages is required: English, French, German.
Documentation in PDF format to be attached online (max 5MB for each document)	<p>Documents to be sent by the candidates together with their application form:</p> <ol style="list-style-type: none"> 6. CV in European format; 7. summary of the Master's degree Thesis (max 5.000 characters); 8. research proposal (max 10.000 characters); 9. list of publications (with bibliographical references, included ISSN/ISBN) (if available); 10. presentation letter by experts or professors (1 or 2).
Selection procedures and criteria	<p>Selection procedures and criteria for applicants to the 4 grants funded by the University are as follows:</p> <ul style="list-style-type: none"> - qualifications (max score 20 out of 100); - written exam (max score 40 out of 100); - oral interview (max score 40 out of 100). <p>For the written exam, candidates can choose one of the following options:</p> <ul style="list-style-type: none"> - translation of a piece of a poem from Greek or Latin with historical, literary, linguistic and metrical comment; - translation of a piece of a historiographical prose text from Greek or Latin with comment; - transcription of one or more facsimiles from manuscripts or documents with historical, palaeographic and diplomatic comment; - composition on a philological topic: methods, issues, techniques, applications and critical history of texts; - composition on an art historical topic: methods, issues, history and critical analysis of works and artistic phenomena.

	<p>Each of the above-mentioned options will be chosen among three possible topics prepared by the Admission Board in advance.</p> <p>Candidates will have 4 hours for their written exam.</p> <p>Candidates must achieve the minimum score of 24 out of 100 in the written exam in order to be admitted to the oral interview.</p> <p>The oral interview will consist in: (a) discussion about the written exam; (b) discussion on the research proposal; (c) foreign language test: the candidate will be asked to read and translate a text in English, French or German.</p> <p>The list of the admitted candidates will be published on the Scuola Superiore website: https://www.scuolasuperiore.unich.it</p> <p>Foreign candidates can choose to be examined in one of the following languages: Italian, English, French, German. Candidates who choose to take their exam in English, French or German will have a supplementary Italian language test.</p> <p>Selection procedures and criteria for applicants to the 2 grants funded by foreign countries are as follows:</p> <ul style="list-style-type: none"> - qualifications (max score 40 out of 100); - interview (max score 60 out of 100). <p>Candidates must achieve the minimum score of 24 out of 100 in the qualifications, in order to be admitted to the interview.</p> <p>The interview will consist in: (a) discussion on the research proposal; (b) Italian language test.</p> <p>The list of the admitted candidates will be published on the Scuola Superiore website: https://www.scuolasuperiore.unich.it</p> <p>Candidates can choose to take their exams in Italian/English/French/German.</p> <p>Minimum score required: 60 out of 100.</p>
<p>Exam dates</p>	<p>The written test for applicants to the 4 grants funded by the University "G. D'Annunzio" will take place on the 6th of September at 10.30 a.m., in Classrooms 1 and 2 of the Chieti campus.</p> <p>The interview will take place on the 29th of September at 10.30 a.m., in Classroom 1 of the Chieti campus. Should it not be possible to carry out the examination in person, due to the Covid-19 guidelines, the written test will be cancelled and candidates will only be interviewed, through the Microsoft Teams platform, on the 29th of September at 10.30 a.m.</p> <p>Candidates applying for the 2 grants funded by foreign countries will only be interviewed online the 21st of September, 10.30 a.m. (Italy time zone), using the Microsoft Teams platform.</p>

PhD Course in	DESIGN CULTURES: CREATIVITY, HERITAGE, ENVIRONMENTAL
Coordinator	Prof. Claudio VARAGNOLI - Department: ARCHITECTURE email: claudio.varagnoli@unich.it
Duration	3 years - Starting date : November 1 st ,2021
Disciplines	Relevant sectors ERC: SH3_1 Sustainability sciences, environment and resources; SH3_7 Spatial development, land use, regional planning; SH3_8 Urban, regional and rural studies; SH5_6 History of art and architecture; SH5_7 Museums, exhibitions, conservation and restoration; SH5_10 Cultural heritage, cultural identities and memories; PE8_3 Civil engineering, architecture, maritime/hydraulic engineering, geotechnics, waste treatment; PE8_10 Industrial design (product design, ergonomics, man-machine interfaces, etc.); PE8_11 Sustainable design (for recycling, for environment, eco-design)
PhD Programme description	The program trains PhDs on architectural issues in an interdisciplinary outlook including the skills of architectural design, management, control, conservation of the built and natural environment, as well as skills related to production and industrial design. This approach is linked to the most current topics of environmental sustainability and risk management of cultural heritage. Following an initial period of seminars and base courses, research activities are undertaken and then finalized by composing the doctoral thesis. Supportive collaborations with foreign research institutions and university partners are planned, with the possibility for doctoral candidates of obtaining a dual degree. (Doctor Europaeus or International Doctorate). The professional opportunities provided refer to: professional and industrial world linked to the issues of the project in architecture and design; officials and managers in central and local public administration; university career in the field of Architecture and Design.
Curricula	<p>Architectural design and Urban planning. The research topics range from urban regeneration, to the sustainability of architectural and territorial planning, to the technical, economic and social feasibility of building interventions. Processes of transformation of the city and the territory are the main aim of the training courses, within the framework of an eco-friendly planning of the anthropized environments, with a particular openness to new digital technologies and contemporary figurative experimentation.</p> <p>Architecture Technology and Industrial Design. The research topics concern: Sustainable planning and related Evaluation systems; High energy efficiency building; Sustainable transformation and maintenance of the built environment; Innovative materials and construction systems; Design for new uses and meanings of products and innovation of digital manufacturing processes, System design for sustainability and inclusion, Communication design for the innovation of both communicative and visual artefacts oriented towards eco-social.</p> <p>Built cultural heritage. Researches are promoted on the analysis, conservation, management, detection and diagnostic monitoring of cultural, built and environmental heritage, as defined by current regulations, in an inclusive and interdisciplinary perspective. The focus extends to the use of new information technologies for modeling in the cultural heritage sector, and to structural interventions, as well as to the landscape in its most innovative meaning.</p>
Available positions	<p>n. 7 places of which:</p> <p>n. 4 with scholarships funded by the University</p> <p>n. 1 position reserved to employees (maintaining their salary) of the Company Parco Nazionale della Maiella (industrial doctorate)</p> <p>n. 2 with scholarship funded by Department of Architecture</p>
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022
Language	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<p>11. CV European format (limited to education and scientific/professional titles consistent with this PhD program aims and topics, max 10.000 characters);</p> <p>12. diploma supplement or list and scores of exams taken in the courses attended, included final marks of the 2nd level degree;</p>

	<p>13. graduation thesis abstract and summary (max 10.000 characters);</p> <p>14. list of publications (if any) with bibliographical references to ISSN/ISBN.</p>
Selection procedures and criteria	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - qualifications (max score 35/100); - oral exam (max score 65/100). <p>it will consist of: a) graduation thesis discussion; b) discussion of publications (if any); c) English test (consisting of reading and translating a randomly selected scientific English text prepared by the Admission Committee); d) discussion of one or more topics in the area of interest of this PhD Program, which will be randomly selected among a list of topics previously prepared by the Admission Committee.</p> <p>Candidates living abroad asking for a remote interview will be contacted in due time via e-mail by the Admission Committee for scheduling the interview.</p> <p>Minimum score required 60/100.</p>
Exam date	<p>The oral exam will take place on the 15th of September 2021 at 10 a.m. in the "Aula Consiglio", Department of Architecture, situated in the Campus headquarters of Pescara/Chieti, Viale Pindaro, 42 - Pescara. If it will not be possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.</p>

PhD Course in	EARTHQUAKE AND ENVIRONMENTAL HAZARDS
Coordinator	Prof. Giuseppina LAVECCHIA – Department: Psychological, Health and Territorial Sciences email: glavecchia@unich.it
Duration	3 years - Starting date: November 1 st , 2021
Disciplines	Physics of the Earth and the circum-terrestrial medium, Structural geology, Physical geography and geomorphology, Petrology and petrography, Solid Earth geophysics, Classical archaeology, Christian and medieval archaeology, General psychology, Social psychology, Work and Organizational Psychology, Clinical psychology
Ph.D. Programme description	<p>The Ph.D. program on Earthquake and Environmental Hazards encompasses all aspects of seismic and environmental hazards, including their impact on individuals and society.</p> <p>The course is primarily open to candidates with a master degree in structural geology, geophysics, geomorphology, seismology, archaeology, geochemistry, petrography, physics, informatics, statistics, environmental science, biology, genetics, psychology and sociology. Accordingly, candidates will widen their specific competence and work with experts from many different fields.</p> <p>The course is into four main research areas, each of which will develop more specific topics:</p> <p>A - "Three-dimensional seismotectonics with territorial applications" with insights into structural geology, geophysics, active tectonics, earthquake geology and physics, archaeoseismology and historical seismicity, seismic hazard etc., from the local scale to the regional scale (referent Prof. Giusy Lavecchia, email: glavecchia@unich.it).</p> <p>B – "Biological-geochemical and environmental hazard and risk", with insights into environmental hygiene issues, biology, geochemistry, geo-medicine, physics and chemistry of the atmosphere, climate change, and on the interactions between pollutants, human health, and ecosystems (referent prof. Francesco Stoppa, fstoppa@unich.it).</p> <p>C - "Geoarchaeology, archaeoseismology and risks for cultural heritage" with a multi-disciplinary approach that uses different and integrated sources, methodologies and technologies. The course focuses on risks that today affect the cultural heritage and historicized landscape, with a diagnostic and systematic approach, applied both on a landscape and monumental scale"(referent prof. Oliva Menozzi, oliva.menozzi@unich.it).</p> <p>D – "Psycho-sociological Analysis of Risk Perception and Communication", with insights on topics related to the nature of cognitive processes involved, social representations, health and well-being at the individual level and in complex contexts (work and organizations) (prof. Nicola Mammarella, email: n.mammarella@unich.it).</p> <p>Students will develop an original, innovative and competitive project and present their research results at international conferences and in ISI journals.</p> <p>The students will be required to spend at least 60 days abroad at Universities or Research Centres (not necessarily consecutive).</p>
Available positions	<p>n. 6 places of which:</p> <p>n. 4 with scholarships funded by the University</p> <p>n. 2 positions reserved to foreign Ph.D. students possessing a fellowship from a foreign country on the following research topic: "EuroTeCh and the protocols of Dissemination of the Archaeological research to prevent the risk of loss of cultural contents and to build a more inclusive valorisation"</p>
Admission requirements	See art. 2 Ph.D. Call 37 th cycle - Academic Year 2021/2022.
Language/s	Knowledge of English language is required
Documentation in PDF format to be attached on line (max 5MB for each document)	<p>Documents to be sent by the candidates together with their application to the admission announcement:</p> <ol style="list-style-type: none"> 1. CV in European format; 2. summary of the Master Thesis (max 2 pages); Publications in scientific journals; summaries of presentations at conferences; Scientific posters;

	<p>3. synthesis of an original scientific project in line with the research areas of this Ph.D. program (max 3 pages);</p> <p>4. scientific awards, scholarships, tutoring activities;</p> <p>5. presentation letters by experts external to the Ph.D. College, not mandatory (max 2).</p>
Selection procedures and criteria	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - qualifications (max score 40/100); - oral exam (max score 60/100): <p>the interview consists of a PPT presentation of the scientific project and of general discussion with the Admission committee.</p> <p>If the candidate chooses to compete for the scholarship of one of the two pre-defined research topics, a supplementary discussion is required to assess suitability.</p> <p>The minimum score to be included in the eligible list is 60/100.</p>
Exam Date	<p>The oral exam will take place on the 13th of September, 2021 at 10.00 am; The exam will be held remotely, and indications concerning the chosen platform will be specified later. Foreign applicants will be contacted via email by the Committee to define the date and time of the interview.</p>

PhD Course in	ENGINEERING, EARTH AND PLANETARY SCIENCES
Coordinator	Prof. Isabella RAFFI - Department of Engineering and Geology email: isabella.raffi@unich.it
Duration	3 years - Starting date: November 1 st , 2021
Disciplines	Earth and Planetary Sciences, Civil Engineering (Scientific Areas: GEO/01, GEO/02, GEO/03, GEO/04, GEO/05, GEO/06, GEO/09, GEO/10; FIS/05; ICAR/02, ICAR/07, ICAR/08, ICAR/09; ING-IND/11; ING-IND/22)
PhD Program description	The program enables a wide range of research doctorates over the disciplines of civil Engineering and Earth and Planetary Sciences, within the ERC Research domain “Physical Sciences and Engineering”. The doctoral student is placed on a platform of interdisciplinary research, with the means to collaborate among the several interlinking sectors that compose both the natural and anthropic environments in all of the aspects and their relations (Geosciences, seismic hazard and risk, safety of structures). Following an initial period of seminars and base courses, research activities are undertaken and then finalized by composing the doctoral thesis. Supportive collaborations with foreign research institutions and university partners are planned, with the possibility for doctoral candidates of obtaining a dual degree.
Curricula	<p>Civil Engineering: It is focused on technical and scientific topics (ERC panel PE8) concerned with: Analysis, design and safety assessment of modern and historical constructions, geotechnical systems under natural and anthropogenic influence, using different evaluation scales (scale related to the single construction, urban scale and regional scale); Energy behaviour of buildings; Analysis and management of hydraulic infrastructure networks in built environment; Innovative techniques for construction engineering; Material and structural modelling and testing; Experimental investigations and advanced laboratory testing on soils.</p> <p>Earth and Planetary Sciences: It is focused on scientific-technical disciplines related to basic and applied Geosciences and Geo-resources (ERC panel PE10), specifically: Paleontology and Paleoclimatology; Sedimentology, Stratigraphy and Basin Analysis; Petroleum Geology; Structural Geology, Geology of Earthquakes; Seismology and Seismic Hazard; Applied Geology, Hydrology, Geological and geophysical exploration of the subsoil, Geomorphology; Mineralogy and Petrography of Earth materials and synthetic analogues; Waste characterization and recycling; Volcanology and Geochemistry; Planetary Geology and Astrobiology of terrestrial and ice bodies in the solar system.</p>
Available positions	n. 6 places within the following curricula:
Curriculum in Civil Engineering	n. 2 positions (scholarship) funded by the University
Curriculum in Earth and Planetary Sciences	<p>n. 4 positions on specific priority-research topics. In the application form, the Candidate should indicate the interest for only one of the following:</p> <p>n. 1 scholarship co-funded by the University (50%) and the Istituto Nazionale di Oceanografia e di Geofisica Sperimentale- OGS (50%) on the research topic: “Construction of 3D geological models and evaluation of the spectral site response through numerical modelling and experimental methods”</p> <p>n. 1 scholarship co-funded by the University (50%) and the Institut de Radioprotection et Sureté Nucléaire - IRSN (50%) on the research topic: “Integration of geodetic strain rates for the characterization of seismogenic sources: application to fault networks in the central Apennines, Italy”.</p> <p>n. 2 scholarship co-funded by the University (50%) and the Department of Engineering and Geology - InGeo (50%) on the research topic: “Geomorphological hazards analysis in seismic areas”.</p>
Admission requirements	See art. 2 of PhD Call 37 th cycle - Academic Year 2021/2022.
Language/s	English knowledge is required (intermediate level B1 – CEFR standard).

<p>Documentation in PDF format to be attached online (max 5MB for each document)</p>	<ol style="list-style-type: none"> 1. CV (limited to academic degrees and scientific and/or professional achievements that are coherent to PhD program; max 10.000 characters); 2. summary/extended abstract of Master level research activities (max 10.000 characters); 3. certificates of foreign language knowledge (if available); 4. list of publications with bibliographical references to ISSN/ISBN or DOI in line with the specific Ph.D. curriculum (if available); 5. AIRE (Anagrafe Italiani Residenti Estero) certificate for applicants with Italian citizenship which are resident abroad.
<p>Selection procedures and criteria</p>	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - assessment of candidate's qualifications (max score 35/100). Assessable qualifications: a) CV, certificate (s) of foreign language (if available); b) summary/extended abstract of Master level degree; c) list of publication/s in line with the Ph.D. curriculum (if available); - oral exam including discussion on a possible research project (max score 65/100): <p>the interview comprises: (a) discussion of the Master level research activities; (b) assessment of the candidate's basic preparation; (c) discussion of eventual publication/s; d) discussion of a research project/activity that the candidate would like to perform; (e) verification of knowledge of the foreign language (conducted by subjecting to the candidates a text randomly drawn from an adequate number of scripts provided by the Admission Commission). If the candidate chooses to compete for one of the scholarships on the priority-research projects (reported in each curriculum), a supplementary discussion on the topic is required, in order to assess suitability.</p> <p>Minimum score required: 60/100.</p>
<p>Exam date</p>	<p>The oral exam will take place on the 27th of September 2021, at 9:00 a.m., Aula Rossa del Polo Pindaro, Sede UdA di Pescara, Viale Pindaro. In the event of a new Covid-19 emergency, the exam will be held in remote. Candidates will receive in due time all the indications and procedures for the access regarding the chosen platform.</p>

PhD Course in	HUMAN SCIENCES
Coordinator	Prof. Elsa Maria BRUNI Department: Philosophical, Pedagogical and Economic-Quantitative Sciences (DISFPEQ) email: elsa.bruni@unich.it
Duration	3 years - Starting from November 1 st , 2021
Disciplines	Theories and science of education and social education, History of education, Methodologies of teaching, Special education, Educational research, Logic and Philosophy of science, Moral Philosophy, History of Philosophy, Statistics, Economics, Applied economics.
PhD Programme description	The PhD program is aimed at training highly specialized scholars whose skills are essential for the development of excellent research in the economic-statistical and philosophical-educational fields. In all its areas of interest, the doctorate identifies Human Sciences as a point of dialogue and comparison between different traditions of thought. With this in mind, the PhD encourages the exchange between different cultures and develops the internationality of its research, both by attracting foreign students and by encouraging the mobility of its members.
Curricula	Economics and Statistics Philosophical and Pedagogical Sciences
Available positions	n. 8 places of which:
	n. 4 with scholarships funded by the University
	n. 4 positions reserved for employees (maintaining their salary) of the following companies, involved in high qualification activities (industrial doctorate): - n. 1 position reserved for employees of the LAZZARONI & Company bound on the following research topic: "Soft skills and pedagogy in organizations"; - n. 1 position reserved for employees of the CONFINDUSTRIA DI CHIETI E PESCARA bound on the following research topic: "Innovation and digital transformation"; - n. 1 position reserved for employees of the ODOARDO ZECCA Srl bound on the following research topic: "Study of decisions in business organizations: relations of production, economic theory, simulations and experimentation"; - n. 1 position reserved for employees of the WHITE RABBIT Srl bound on the following research topic: "Computational and experimental economics, big data, machine learning, and organizations".
Requirements	See article 2 PhD Call 37 th cycle - Academic Year 2021/2022
Foreign languages	Knowledge of one of the following foreign languages is required: English, French, German
Documentation in PDF format to be attached online (max 5MB for each document)	1. CV European format; 2. abstract of the second level degree thesis; 3. research proposal; 4. list of publications with bibliographical references to ISSN/ISBN (if available); 5. presentation letter by experts or professors (if available).
Selection procedures and criteria	The examination consists of: - assessment of qualifications (scores 40/100); - interview (scores 60/100). It will consist of: a) discussion on degree thesis; (b) on a given topic in a foreign language randomly chosen among several ones selected by the Admission Committee; (c) on a research proposal. Candidates asking for a remote interview (platform Teams) will be contacted in due time via e-mail by the Admission Committee in order to define date and time of the interview. Minimum score required is 60/100.
Exam date	The oral exam will take place on the 20th of September 2021 at 10 a.m. in the "Aula 1 del Polo Didattico" situated in the Campus headquarters of Chieti, Via dei Vestini, 31 – Campus Universitario. If it will not be possible to carry out the exam in presence due to the Covid-19

	emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.
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PhD Course in	INNOVATIVE TECHNOLOGIES IN CLINICAL MEDICINE & DENTISTRY
Coordinator	Prof. Oriana TRUBIANI Department: Dipartimento di Tecnologie Innovative in Medicina & Odontoiatria Email: oriana.trubiani@unich.it
Duration	3 years - Starting date: November 1 st , 2021
Disciplines	Histology, General surgery, Oral diseases and dentistry, Cardiovascular diseases, Anesthesiology, Nephrology, Urology, Dermatological diseases, Pediatric surgery, Biochemistry, Biology, Pathological anatomy, Human anatomy, Infectious diseases, Gynecology and obstetrics, Pediatrics, Diseases locomotor system, Applied medical technology and methodology, Microbiology.
PhD Programme description	<p>The aim of the Doctoral course is to identify multidisciplinary biomedical research methodologies that allow the analysis of the pathogenesis, diagnostic and prognostic pathways and the therapeutic approach of various clinical syndromes.</p> <p>The course aims to train professional researchers with specific technical skills on the topics proposed by the doctoral course, but also with relational and cultural skills that allow them to properly express themselves in any field of clinical research at national and international level, responding perfectly to the new highly specialized profiles required by the job market.</p> <p>The major aims proposed by the Doctoral Course are:</p> <ul style="list-style-type: none"> - development and testing of innovative therapies in the treatment of oral pathologies and systemic diseases - evaluation of the therapeutic efficacy of the Regenerative Medicine in the repair, regeneration and replacement of cells / tissues / organs to restore compromised physiological functions - study of cellular signaling related to the regulation of biological functions as a platform for the development of new therapeutic approaches. - evaluation of the clinical advantages and surgical performance associated with the minimally invasive / robotic surgical approaches in complex surgical procedures.
Available positions	<p>n. 11 places of which:</p> <p>n. 4 with scholarships funded by the University</p> <p>n. 1 with scholarship funded by Dipartimento di Tecnologie Innovative in Medicina & Odontoiatria</p> <p>n. 3 positions reserved to employees (maintaining their salary) of the Company Azienda Sanitaria Locale di Pescara (ASL) (industrial doctorate) on the topic: "<i>Dermatology, Geriatrics and Pediatric Surgery</i>."</p> <p>n. 3 positions reserved to employees (maintaining their salary) of the Company Synergo Srl (industrial doctorate) on the topic: "<i>General Surgery</i>".</p>
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Languages	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<p>15. CV European format (max 10.000 characters);</p> <p>16. Summary of the degree thesis (up to 10.000 characters);</p> <p>17. Publication list (including all the bibliographic data, i.e. ISSN; ISBN; DOI);</p> <p>18. Research proposal (max 10.000 characters);</p> <p>19. English language certifications (if available);</p>
Selection procedures and criteria	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - qualifications (max score 30/100). - oral exam (max score 70/100): <p>it will consist on a) discussion of the degree thesis (max 10 points); b) assessment of foreign language knowledge (max 20 points); c) the discussion of the research proposal (max 40 points).</p> <p>Minimum score required: 60/100.</p>
Exam date	The oral exam will take place on the 22nd of September 2021 at 9.00 a.m. in the Aula 40 Building A/NPD, situated in the Campus headquarters of Chieti , Via dei Vestini, 31 - Chieti. If it will not be

	possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.
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PhD Course	LANGUAGES, LITERATURES AND CULTURES IN CONTACT
Coordinator	Prof. Marcial RUBIO ARQUEZ - Department: Modern Languages, Literatures and Cultures email: marcial.rubio@unich.it
Duration	3 years - Starting date: November 1 st , 2021
Research area	10; 11a
Academic disciplines list	Cinema, photography and television (L-ART/06); Romance philology and linguistics (L-FIL-LET/09); Literary criticism and comparative literature, (L-FIL-LET/14); Glottology and linguistics (L-LIN/01); French literature (L-LIN/03); Language and translation – French (L-LIN/04), Spanish literature (L-LIN/05); Spanish Languages (LLIN/07), English literature, (L-LIN/10); Anglo-American languages and literatures (L-LIN/11); Language and translation - English (L-LIN/12); German literature (L-LIN/13) Language and translation - German (L-LIN/14); Slavic studies (L-LIN/21); Arabic language and literature (L-OR/12); (L-OR/21) Language and literatures of China and Southeast Asia; Italian literatures (L-FIL-LET/10); Germanic philology (L-FIL-LET/15); Contemporary history (M-STO/04).
PhD Program description	<p>The PhD program in “Languages, Literatures and Cultures in Contact” offers students a broad-based curriculum centred on in-depth analysis and advanced research of the wide range of contact forms and formations among different languages, literatures and cultures.</p> <p>A key term in the history of all civilizations, the notion of “contact” is one of the pillars of our cultural heritage. The program has a strong interdisciplinary character, drawing on a multiplicity of disciplines and spanning over a variety of academic fields and subfields (linguistics, literature, history, cultural studies, psychology and sociology, anthropology and ethnography, new media, artistic and communication languages), all sharing the theoretical and heuristic value of the “contact” paradigm. The main research lines concern transnational studies: migratory movements and their linguistic, literary and cultural influences, both for the richness of their history and for the actuality of the phenomena that characterize the current phase, both again for the theoretical and conceptual complexity that their study entails; critical analysis of the construction of identity and “otherness”, as well as the investigation of historical and cultural processes of hybridization – including travel literature and tourism, two sectors of prime importance for the conceptualization of “contact zones”, analysed from a culturological approach. Other fields of research include translation and intercultural mediation studies, intertextuality and intersemiotic practices, and the exchanges of cultural, symbolic and social capital.</p> <p>The PhD provides an obligatory stay abroad for a minimum period of 6 months in the three years.</p>
Available positions	n. 4 with scholarships funded by the University .
	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Admission requirements	Knowledge of one of the following languages is required: English; French; German; Spanish; Italian for students whose mother tongue is not Italian. Candidates must select the language chosen for the language test during the oral exam in the application form.
Language/s	<ul style="list-style-type: none"> 20. CV in the European format (max 10.000 characters); 21. research project, in Italian or in English (max 10.000 characters); 22. diploma <i>Supplement</i> (or the list of exams taken as part of the degree course with relative grades); 23. publications, if any, including all the bibliographic data, i.e. ISSN; ISBN; DOI or, in case of publications in press, letter of acceptance by the publisher or director of the journal/series (max 5 attachments of max 5MB for each document); an abstract (max 2000 characters) in Italian, or in English for publications in a different language; 24. any other official university degree issued by a higher education institution or working experience relevant to the PhD program.
Documentation in PDF format to be attached online (max 5MB for each document)	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - qualifications (max score 40/100) with a preselection; - oral exam (max score 60/100).

	<p>Candidates must achieve a passing score of 20/40 in the qualifications evaluation to qualify for the oral exam. The list of admitted candidates will be published on the Scuola Superiore web site: https://www.scuolasuperiore.unich.it</p> <p>The oral exam will consist of a discussion of: a) the research project; b) a given topic in a foreign language randomly chosen among several ones selected by the Admission Committee.</p> <p>Minimum overall score required to be admitted: 60/100.</p>
<p>Selection procedures and criteria</p>	<p>The oral exam will take place on the 27th of September 2021 at 09:30 a.m. in the Classroom 27/B, situated in the Campus headquarters of Pescara, Viale Pindaro, 42 - Pescara. If it will not be possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.</p>

PhD Course in	TRANSLATIONAL MEDICINE
Coordinator	Prof. Agostino CONSOLI - Department: Medicine and Ageing Sciences email: consoli@unich.it , dmsi@unich.it
Duration	3 years - Starting date : November 1 st 2021
Disciplines	Physiology, Experimental biology, Human anatomy, Histology, Experimental medicine and pathophysiology, Medical oncology, Pathology, Endocrinology, Infectious diseases, General and subspecialty paediatrics, Hygiene and public health.
PhD Programme description	This PhD program aims at training in biomedical research young graduates in biomedical disciplines. The research programs the PhD students will be involved with focus on the physiological processes of ageing as well as on ageing-related, non-communicable chronic diseases. These represent now the major health burden for western societies with a trend which is going to worsen in the next years, involving the world developing regions as well. Contributing to expanding research culture on these topics is therefore perfectly consistent with the main aims of the HORIZON 2020 program. In particular, over the course of the program, the PhD students must acquire the following skills to be furtherly applied in their future careers: 1) Learning state of the art techniques of cellular and molecular physiology and pathology. 2) Knowledge of non-communicable chronic diseases epidemiology and clinic. 3) Application of the acquired skills and knowledge toward study projects and proposals focused on age-related non-communicable chronic diseases. 4) Acquisition of the critical scientific sensibility, scientific culture and technical abilities needed to design and conduct translational medicine studies enabling to perform bench to bed projects related to the topics the PhD program is focused on.
Available positions	<p>n. 7 places of which:</p> <p>n. 4 with scholarships funded by the University</p> <p>n. 1 position reserved to employees (maintaining their salary) of the Company LogisticaFood (industrial doctorate) on the topic: "<i>Low carb foods and glycolipid metabolism</i>"</p> <p>n. 1 position reserved to employees (maintaining their salary) of the Company Villa Serena (industrial doctorate) on the topic: "<i>Bariatric surgery and the incretin system</i>".</p> <p>n. 1 position reserved to employees (maintaining their salary) of the Company Coresearch (industrial doctorate) on the topic: "<i>Innovative diabetes drugs: efficacy and safety</i>"</p>
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022
Language	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<p>25. CV European format (limited to education and scientific/professional titles consistent with this PhD program aims and topics, max 10.000 characters);</p> <p>26. diploma supplement or list and scores of exams taken in the courses attended, included final marks of the 2nd level degree;</p> <p>27. letter of support provided by an expert in the field;</p> <p>28. graduation thesis abstract and summary (max 10.000 characters);</p> <p>29. list of publications (if any) with bibliographical references to ISSN/ISBN.</p>
Selection procedures and criteria	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - qualifications (max score 40/100); - oral exam (max score 60/100). <p>it will consist of: a) graduation thesis discussion; b) discussion of presentes publications (if any); c) English test (consisting of reading and translating a randomly selected scientific English text prepared by the Admission Committee); d) discussion of one or more topics in the area of interest of this PhD Program, which will be randomly selected among a list of topics previously prepared by the Admission Committee.</p> <p>Candidates living abroad asking for a remote interview will be contacted in due time via e-mail by the Admission Committee for scheduling the interview.</p> <p>Minimum score required 60/100.</p>

Exam date	<p>The oral exam will take place on the 20th of September 2021 at 9:30 a.m. in the Sala Convegni of C.A.S.T situated in the Via Luigi Polacchi, 11 – 66100 Chieti.</p> <p>If it will not be possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.</p>
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PhD Course in	NEUROSCIENCE AND IMAGING
Coordinator	Prof. Cosimo DEL GRATTA - Department of Neuroscience, Imaging and Clinical Sciences email: cosimo.delgratta@unich.it
Duration	3 years - Starting date : November 1 st , 2021
Disciplines	Applied Physics, Medical Genetics, Pathology, Psychiatry, Neurology, Diagnostic imaging and Radiotherapy, Neuroradiology, Methods and Teaching of Sport Sciences, Psychobiology and Physiological Psychology, Developmental and Educational Psychology, Dynamic Psychology, Psychometrics, Social Psychology
PhD Programme description	This PhD course offers third level, high quality training of high profile professional roles in the field of research and development of instrumentation for diagnostic imaging; of researchers in the field of neuroscience, and in the field of imaging with particular emphasis on functional neuroimaging; of high profile professional roles in the field of diagnostic imaging. It is foreseen that students spend a period at other laboratories abroad or in Italy. The PhD course offers job opportunities related to employment in public and private institutions, in addition to the possibility to start an academic career, or a freelance activity with higher qualification
Available positions	n. 8 positions of which:
	n. 4 scholarships funded by the Gabriele D'Annunzio University, Chieti and Pescara, Italy
	n. 1 scholarship funded by the Italian Ministry of Education (MUR) under the Project "Departments of Excellence" of the Department of Neuroscience, Imaging and Clinical Sciences, Gabriele D'Annunzio University, Chieti and Pescara, Italy (Academic Years 2018-2022)
	n. 1 two-year scholarship (for the 2nd and the 3rd year of the PhD course) funded by the Italian Ministry of Education (MUR) under the project "Departments of Excellence" of the Department of Neuroscience, Imaging and Clinical Sciences, Gabriele D'Annunzio University, Chieti and Pescara, Italy (Academic Years 2018-2022) , reserved for students graduated in Medicine and Surgery and belonging to the MD-PhD track of the Department of Neuroscience, Imaging and Clinical Sciences.
	n. 1 scholarship funded by the EU CONNECT-TO-BRAIN (ERC-2018-SYG-810377), on the topic: <i>Multicoil neurostimulation approaches to disclose causal interactions in neural networks."</i>
	n. 1 scholarship funded by the Department of Neuroscience, Imaging and Clinical Sciences, Gabriele D'Annunzio University, Chieti and Pescara, Italy on the topic <i>Cerebral Plasticity and Functional Recovery in Multiple Sclerosis</i>
Admission requirements	See art. 2 of the PhD Call 37 th cycle - Academic Year 2021-2022
Language/s	Knowledge of the English language is required
Documentation in PDF format to be attached online (max 5MB for each document)	30. CV European format; 31. diploma supplement or list of the examinations and marks (including mark of the second level degree); 32. two presentation letters by two experts (external to the "Gabriele D'Annunzio" University of Chieti-Pescara); 33. abstract of the second level degree thesis (max 10 000 characters); 34. list of publications (if available) with bibliographical references, including ISSN/ISBN .
Selection procedures and criteria	Qualifications and exams: - qualifications (max score 20/100); - oral exam (max score 80/100): The oral exam will consist of a discussion on: a) CV, degree thesis and publications b) applicant's motivation to attend the PhD program, c) a possible research project of interest to the candidate Only for Italian candidates, a test of reading, comprehension, and verbal fluency of English language. Foreign candidates will do the oral exam in English.

	<p>The foreign candidates, and foreign-resident Italian candidates, may choose a remote oral exam. Candidates will be contacted in due time via e-mail by the Admission Committee to define the precise time and date of the interview.</p> <p>Minimum score required for admission: 60/100.</p>
<p>Exam date</p>	<p>The exam will take place the 21st of September at 9 AM in the Aula Galileo Galilei, Institute for Advanced Biomedical Technologies, situated in the University Campus of Chieti, via Luigi Polacchi 11 – Chieti (for Italian candidates), or on Microsoft Teams for foreign-resident candidates. According to the number of candidates, the oral exams may extend over several days: the calendar, following the alphabetical order of candidates, will be published in advance on the Scuola Superiore (Doctorate School) website.</p> <p>https://www.scuolasuperiore.unich.it/bandi-di-concorso</p>

PhD Course in	SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT
Coordinator	Prof. Piero Di Carlo - Department of Advanced Technologies in Medicine & Dentistry email: piero.dicarlo@unich.it
Duration	3 years - Starting date : November 1 st , 2021
Disciplines	Business Administration, Science of Finance, Sociology, Atmospheric Physics, Climatology, Geophysics, Environmental Technical Physics, Building Technique, Design, Urbanistics, Odontostomatological Diseases, Applied Biology, Histology, Pharmacology, General And Inorganic Chemistry, Organic Chemistry.
PhD Programme description	<p>The main objective of the PhD course in Sciences and Technologies for Sustainable Development is to train professional profiles that integrate sustainability skills with the technical abilities required by specific functions, through transdisciplinary training for the acquisition of new skills for the environmental, economic and social aspects of sustainable development in line with the sDGS of the UN 2030 agenda.</p> <p>The course is established on the following three lines:</p> <ol style="list-style-type: none"> 1) Climate, Energy and Urban System focused on education on the basic knowledge of climate change and increasing pollution and on the research of their impacts on ecosystems and on the territory. Moreover, energy transition, decarbonisation of the economy, smart cities and urban planning. Finally, on mitigation and adaptation to climate and environmental changes. 2) Circular Economy focused on training to accelerate the transition to the circular economy through the innovation of production models of goods and services of companies, businesses and local authorities and awareness of responsible consumption. 3) Health and Social Inclusion focused on training on the impact of climate, environmental, urban and economy changes on human health, migration, community inclusion. <p>In the three years, research periods of at least 3 months abroad are required.</p>
Available positions	<p>n. 9 places of which:</p> <p>n. 3 with scholarships funded by the University</p> <p>n. 1 position reserved for employees of the LAZZARONI & Company bound on the following research topic: <i>"Assessing and developing the sustainability of products in the transition to production process 4.0: from the historical Lazzaroni recipe book to sustainable health biscuits"</i>;</p> <p>n. 1 position reserved for employees of the Comune di Pescara bound on the following research topic: <i>"Climate Change and the Adaptive City"</i>;</p> <p>n. 1 scholarship co-funded by the University (50%) and the University of Perugia - Department of Chemistry, Biology and Biotechnology (50%) on the following research topic: <i>"Development of sustainable technologies for the cultivation of edible and medicinal mushrooms and enhancement of botanical supply chains, also through the activities of the Giardino dei Semplici Botanical Garden"</i></p> <p>n. 1 scholarship co-funded by the University (50%) and the Consiglio Nazionale delle Ricerche – Istituto di Scienze Polari (50%) on the following research topic: <i>" Analysis of the radiation budget and cloud conditions over the Antarctic region through the integration of all available measurements, particularly on the ground "</i></p> <p>n. 1 scholarship funded by the Cristalfarma SrL on the following research topic: <i>" From the Giardino dei Semplici to modern rational phytotherapy: Enhancing biodiversity and studying plant extracts in complex mixtures to innovate phytotherapeutic applications"</i></p> <p>n. 1 position reserved for employees of the Soprintendenza Archeologica, belle arti e Paesaggio per le Province di Chieti e Pescara bound on the following research topic: <i>" The Vestina area's cultural heritage in relation to the 2030 Agenda for Sustainable Development objectives."</i>;</p>
Admission requirements	Taking into account the educational objectives of the course, is required a Master degree in one of the following subjects: Architecture, Design, Urban and Environmental Planning, Biology, Biotechnology; Conservation, Restoration of Architectural and Environmental

	Heritage, Archaeology, History of Art and Antiquity; Pharmacy and Industrial Pharmacy; Finance; Physics; Computer Science; Aerospace Engineering, Biomedical Engineering, Chemistry Engineering, Civil Engineering, Building Engineering, Automation, Telecommunications, Electrical Engineering, Energy and Nuclear Engineering, Computer Science, Environment and Territory Engineering; Languages, Linguistics; Mathematics; Medicine and Surgery; Mathematical-Physical Modelling for Engineering; Dentistry and Dental Prosthetics; Design and Management of Tourism Systems; Materials Science and Engineering; Chemical Sciences; Economics; Natural Sciences; Human Nutrition Sciences; Food Science and Technology; Science and Technology of Industrial Chemistry; Geological, Geophysical, Environmental and Territorial Sciences; Economic and Business Sciences; Social Service, Social Policies, Sociology, Social Research and History of Art.
Language/s	English language knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	<p>35. CV in European format;</p> <p>36. summary of the degree thesis (up to 10.000 characters);</p> <p>37. list of any publication with bibliographic references (e.g. ISSN, ISBN);</p> <p>38. research proposal (up to 10.000 characters);</p> <p>39. any certificate of knowledge of foreign languages.</p>
Selection procedures and criteria	<p>Qualifications and exams:</p> <ul style="list-style-type: none"> - qualifications (max score 30/100); - oral exam (max score 70/100): <p>it will consist of: a) discussion of the degree thesis (max 10 points); b) assessment of foreign language knowledge conducted by oral examination, whole or in part in English (max 20 points); c) discussion of the research proposal, with particular reference to methodological consistency and motivation (max 40 points).</p> <p>Candidates asking for a remote interview will be contacted via e-mail by the Admission Committee in order to define date and time of the interview.</p> <p>Minimum score required: 60/100.</p>
Exam date	The oral exam will take place on the 24 th of September 2021 at 9:00 a.m. in the Aula A Nuovo Polo Didattico di Medicina basamento - situated in the Campus headquarters of Chieti, Via dei Vestini, 31 - Chieti. If it will not be possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.

PhD Course in	BIOMOLECULAR AND PHARMACEUTICAL SCIENCES
Coordinator	Prof. Adriano MOLLICA - Department: Pharmacy email: adriano.mollica@unich.it
Duration	3 years - Starting date: November 1 st , 2021
Disciplines	Analytical chemistry, General and inorganic chemistry, Organic chemistry, Pharmaceutical chemistry, Pharmaceutical and technological applications of chemistry, Biochemistry, Clinical biochemistry and molecular biology, Human anatomy, Medical statistics, Experimental medicine and pathophysiology, Microbiology and clinical microbiology, Oral diseases and dentistry, Medical and biotechnology laboratory techniques, Food sciences and dietetics.
PhD Programme description	The Ph.D. course, which is divided in two curricula, has the objective to prepare young scholars to research in the fields of medicinal chemistry, pharmaceutical sciences and molecular medicine. During the course the following topics will be developed: drug design, synthesis and delivery, active bio-products separation and characterization, studies of molecular mechanisms underlying human pathologies and infections by pathogenic microorganisms. To this end, particular emphasis will be put on the most updated methodologies of molecular, structural and cellular biology, bioinformatics and biostatistics, omic sciences as well as to innovative animal models of human pathologies. A period of mobility abroad of at least six months is strongly encouraged.
Curricula	Pharmaceutical Sciences and Biotechnologies Molecular Medicine
Available positions	n. 10 places of which: n. 4 with scholarships funded by the University n. 1 position reserved to employees (maintaining their salary) of the Company ITEL TELECOMUNICAZIONI , involved in high qualification activities (industrial Doctorate) on the topic: " <i>Design and process validation of aseptic radiopharmaceuticals</i> ". n. 3 position reserved to employees (maintaining their salary) of the Company CNR-ISB involved in high qualification activities (industrial Doctorate) on the topic: " <i>Lead compounds from medicinal plants</i> ". n. 1 position reserved to employees (maintaining their salary) of the Company DOMPE' FARMACEUTICI S.p.A. , involved in high qualification activities (industrial Doctorate) on the topic: " <i>Development of liquid and solid oral formulations for adults and children of a new chemical entity</i> ". n. 1 position reserved to employees (maintaining their salary) of the Company ReiThera Srl , involved in high qualification activities (industrial Doctorate) on the topic: " <i>Development and characterization of Adeno-associated viral (AAV) vectors for gene therapy</i> ".
Admission requirements	See art. 2 PhD Call 37 th cycle - Academic Year 2021/2022.
Languages	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	40. CV European format (max 10.000 characters); 41. Publications list (including all the bibliographic data, i.e. ISSN; ISBN; DOI); 42. Candidate may submit a research proposal (max 10.000 characters); 43. Candidate may submit up to two letters of presentation from recognized experts; 44. English language certifications (if available); 45. <i>diploma supplement</i> or a list of the examinations sustained during the master degree with votation, and final votation; 7. A summary of the master degree Thesis (max 10.000 characters).
Selection procedures and criteria	Qualifications and exams : - Qualifications (max score 20/100). Among the qualifications the following will be considered: (a) scientific and professional qualifications; (b) Diploma Supplement; (c) letters of presentation (d) English language certifications; - Oral exam (max score 80/100):

	<p>the interview will consist in: (a) discussion of the master degree Thesis; (b) discussion of publications (if any); (c) discussion of the research proposal (if submitted by the candidate); (d) English language knowledge will be assessed through the reading and translation of a text, drawn by the candidate among a list of many prepared by the committee; (e) discussion of one of more arguments of basic biology or pharmaceutical sciences, drawn by the candidate among an adequate number prepared by the Committee for each of the curricula.</p> <p>If the candidate chooses to compete for the scholarship bound on the research project, a supplementary discussion on the topic is required, in order to assess suitability.</p> <p>Candidates living abroad asking for a remote interview will be contacted via e-mail by the Admission Committee. Minimum score required: 60/100.</p>
Exam date	<p>The oral exam will take place on the 30th of September 2021 at 9:00 a.m. the Department of Pharmacy - Campus of Chieti, via dei Vestini 31 66100 Chieti Scalo. If it will not be possible to carry out the exam in presence due to the Covid-19 emergency, the exam will be held in remote, indications concerning the chosen platform will be specified later.</p>