

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
Disciplines	Accounting, Business Administration and Management, Management, Organization Studies, Financial Intermediaries Economics, Economics and Political Economy
PhD Programme description	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 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; Financial intermediation; Financial markets; Sustainable finance; Economics of Innovation. Networks of economics and finance; Impacts of Institutions on economic development. 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.). In the three years, research periods of at least 6 months abroad are required, with stays of no less than 3 months each.
Available positions	n. 2 scholarships PNRR funded by the DM 351 on the topic: "Governance, performance and management control systems, change management, digital transformation in public administrations."
Admission requirements	See art. 2 PhD Call 38 th cycle - Academic Year 2022/2023.
Language/s	English language knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	1. CV in European format; 2. summary of the degree thesis (up to 10.000 characters); 3. list of any publication with bibliographic references (e.g. ISSN, ISBN); 4. research proposal (up to 10.000 characters); 5. any certificate of knowledge of foreign languages.
Selection procedures and criteria	Qualifications and exams: - qualifications (max score 30/100); - oral exam (max score 70/100): 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). Minimum score required: 60/100.
Exam date	The oral exam will take place remotely on the 23 rd November 2022 at 10:00 am on the Microsoft Teams 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
Disciplines	PROBABILITY AND STATISTICS, ECONOMIC AND POLITICAL GEOGRAPHY, CONSTITUTIONAL LAW, PUBLIC LAW, ADMINISTRATIVE LAW, INTERNATIONAL LAW, PHILOSOPHY OF LAW, ECONOMICS, ECONOMIC POLICY, ECONOMETRICS, APPLIED ECONOMICS, BUSINESS ADMINISTRATION AND ACCOUNTING STUDIES, FINANCIAL MARKETS AND INSTITUTIONS, COMMODITY SCIENCES, ECONOMIC STATISTICS, MANAGEMENT, INFORMATICS
PhD Programme description	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. 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. 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. 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.
Available positions	n. 2 places, of which:
	n. 2 positions reserved to employees (maintaining their salary) of the Cineca Consorzio Interuniversitario, involved in high qualification activities (Industrial Doctorate) on the topics "The role of in-house companies in the European Union: comparison and perspectives" and "Administrative procedure to support awarding of public contracts to in-house companies: economic and legal requirements".
Admission requirements	See article 2 PhD Call 38 th cycle - Academic Year 2022/2023.
Languages	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	1. CV (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	Qualifications and exams: - assessment of qualifications and research proposal (max score 50/100); - oral interview (max score 50/100).

	The oral interview 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). Minimum score required: 60/100.
Exam date	The oral exam will take place remotely on the 23rd November 2022 at 10:00 am on the Microsoft Teams platform.

PhD Course in	INNOVATIVE TECHNOLOGIES IN CLINICAL MEDICINE & DENTISTRY
Coordinator	Prof. Oriana TRUBIANI Department: Tecnologie Innovative in Medicina & Odontoiatria Email: oriana.trubiani@unich.it
Duration	3 years
Disciplines	Histology, General surgery, Oral diseases and dentistry, Cardiovascular diseases, Anesthesiology, Nephrology, Urology, Dermatological diseases, Pediatric surgery, Biology, Pathological anatomy, Human anatomy, Infectious diseases, Gynecology and obstetrics, Pediatrics, Diseases locomotor system, Applied medical technology and methodology, Microbiology, Pharmacology.
PhD Programme description	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. 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. The major aims proposed by the Doctoral Course are: - 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	n. 2 places of which:
	n. 2 positions with PNRR as follows:
Admission requirements	n. 1 scholarship funded by the DM 351 on the topic: <i>"Innovative methodologies applied in basic and clinical research"</i> .
	n. 1 scholarship co-funded DM 352 and IRCCS Bonino Pulejo on the topic: <i>"Organoids derived from human mesenchymal stem cells: a platform for spinal cord injury"</i>
	See art. 2 PhD Call 38 th cycle - Academic Year 2022/2023.
Languages	English knowledge is required
Documentation in PDF format to be attached online (max 5MB for each document)	1. CV European format (max 10.000 characters); 2. Summary of the degree thesis (up to 10.000 characters); 3. Publication list (including all the bibliographic data, i.e. ISSN; ISBN; DOI); 4. Research proposal (max 10.000 characters); 5. English language certifications (if available);
Selection procedures and criteria	Qualifications and exams: - qualifications (max score 30/100). - oral exam (max score 70/100): 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). Minimum score required: 60/100.
Exam date	The oral exam will take place remotely on the 23rd November 2022 at 10:00 am on the Microsoft Teams platform.

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
Disciplines	Applied Physics, Biomedical Engineering, 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	Educational project: Interdisciplinary education for the acquisition of competencies necessary to the practice and the implementation of biomedical imaging, in particular for basic and clinical neurosciences, from the physical principles of imaging techniques, to the development of innovative instrumentation, to the methods of data acquisition and analysis, to the design and conduction of a basic or clinical study, to the publication of the results and their insertion in the present research landscape, and to the preparation of a research project for the participation in competitive calls. Topics of theoretical study, and of hands-on workshops: Methods and models for the analysis of biomedical images. Computational models for the neurosciences. Physical principles and technology for the implementation of innovative instrumentation for biomedical imaging. Study of genomics in normal and pathological conditions and their integration with functional imaging. Integration of neurologic, psychiatric, and diagnostic imaging disciplines for the study of Central Nervous System pathologies. The education includes practical hands-on courses on all the more widespread and advanced large scale neuroimaging.
Available positions	n. 1 position reserved to employees (maintaining their salary) of the Cineca Consorzio Interuniversitario, involved in high qualification activities (Industrial Doctorate) on the topic: "Applications of advanced computer science in imaging in the neurosciences, and in diagnostic neurology, such as: the application of deep learning techniques in image diagnostics, with particular emphasis on magnetic resonance imaging multimodal techniques, but also with other techniques such as CT or US; the generation of biophysical models for the interpretation of neuroimaging data such as diffusion MRI data, but also other static or dynamic data such as perfusion, or local physiologic data measured or estimated inside the brain; the analysis of multimodal imaging data for the fusion of anatomical images (MR, CT, US), large scale electrophysiological patterns (EEG,MEG), physiologic-metabolic images (perfusion, oxygen consumption, etc.)."
Admission requirements	See art. 2 of the PhD Call 38 th cycle - Academic Year 2022-2023
Language/s	Knowledge of the English language is required
Documentation in PDF format to be attached online (max 5MB for each document)	1. CV European format; 2. diploma supplement or list of the examinations and marks (including mark of the second level degree); 3. two presentation letters by two experts (external to the "Gabriele D'Annunzio" University of Chieti-Pescara); 4. abstract of the second level (master) degree thesis (max 10 000 characters); 5. list of publications (if available) with bibliographical references, including ISSN/ISBN .
Selection procedures and criteria	Qualifications and exams: - qualifications (max score 40/100); - oral exam (max score 60/100): 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. Minimum total score required for admission: 60/100.
Exam date	The oral exam will take place remotely on the 23 rd November 2022 at 10:00 am on the Microsoft Teams platform.

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
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	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. The course is established on the following three lines: 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. In the three years, research periods of at least 3 months abroad are required.
Available positions	n. 7 places of which: n. 3 scholarships funded by the DM 351 on the topic: <i>"Sustainability in the economy, health, environment and urban areas"</i> n. 1 scholarship co-funded by the DM 352 (50%) and from the IZEN Implant (50%) on the research topic: <i>New innovative solutions to increase the wellness and comfort of the patients in implantology"</i>. n. 1 scholarship co-funded by the DM 352 (50%) and from the B.& B. Dental Srl (50%) on the research topic: <i>"In vitro and in vivo evaluation of a biomaterial of heterologous origin (bovine)"</i> n. 1 scholarship co-funded by the DM 352 (50%) and from the Terme di Saturnia SpA (50%) on the research topic: <i>"The economic model of the Thermal System as a sustainable tool of primary prevention through the assets of psycho-physical well-being (nutrition, physical exercise, natural / thermal medicine, etc.) and enhancement of the economic and institutional fabric of the territory"</i>. n. 1 scholarship co-funded by the DM 352 (50%) and from the Terme di Saturnia SpA (50%) on the research topic: <i>"Innovation of integrated marketing systems (digital and off-line) in the spa sector and in global health/spa tourism. From internationalization strategies to the elasticity of demand and pricing to the brand strategy of wellness products dedicated to the retail channel"</i>.
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)	1. CV in European format; 2. summary of the degree thesis (up to 10.000 characters); 3. list of any publication with bibliographic references (e.g. ISSN, ISBN); 4. research proposal (up to 10.000 characters); 5. any certificate of knowledge of foreign languages.
Selection procedures and criteria	Qualifications and exams: - qualifications (max score 30/100); - oral exam (max score 70/100): 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). Minimum score required: 60/100.
Exam date	The oral exam will take place remotely on the 23 rd November 2022 at 10:00 am on the Microsoft Teams platform.