DOCTORAL DEGREE IN NURSING SCIENCE AND PUBLIC HEALTH

The Doctoral Degree in Nursing Science and Public Health is aimed at training nurses and physicians in improving nursing care and public health through research. Our vision is to develop scientists who are able to conduct autonomous studies in interdisciplinary settings. Consequently, educational activities cover a wide range of interdisciplinary topics to improve students' skills in the adoption of classic and innovative research methodologies. The core topics of our educational activities are linguistics, computer technologies, management of research, knowledge development and research systems, quantitative and qualitative research methodologies, enhancement of research results and intellectual properties, statistics. Also, thanks to our faculty, students have constant contacts with a supervisor with whom he/she can conduct an intense and a one-to-one training in research. Thanks to our national and international faculty, our students are immersed in a stimulating environment.

Linguistics

Scientific English courses are provided in collaboration with other doctoral programs of the School of Medicine in order to enhance the scientific writing skills of doctoral students. These courses are taught by native speakers and Editors of international journals.

Computer technology

Educational activities are planned in collaboration with the Doctoral Programs of the School of Engineering, in order to improve students' skills in statistics and data analysis.

Management of research, knowledge of research systems and funding systems

There is a specific course held by national and European funding experts.

Enhancement of research results and intellectual property

The valorization of the research results is guaranteed by the publications of research studies carried out by the PhD students in international journals. Also, any patentable research products will be protected by collaboration with the University's patent office. The dissemination of results is also guaranteed by collaborations with institutional bodies and professional research centers.

Statistics

Statistics in a core course of our students. Every year we plan a strong education in statistics.

Didactic activities planned for the Academic Year 2020-2021

Faculty	Topic
Prof. B. Browner	Research with mixed methods
Prof. M. Kangasniemi	Systematic reviews
Prof. Giuseppe Liotta	Fragility on older adults and research methodologies to study fragility
Prof. Michela Piredda	Literature search
Prof. Maria Matarese	Systematic reviews with the Joanna Brings Institute methods
Prof. Ercole Vellone	Research methods
Prof. Barbara Riegel	Research methodologies to study self-care
Prof. Gianluca Pucciarelli	The review process of submitted papers for publications
Prof. Gianluca Pucciarelli	Predatory Journals
Prof. Paola Scarcella	Research methods to in health education
Dr Luca Pancani e Dr Dario Monzani	Introduction to statistics and theory of measurement SPSS and dataset Univariate descriptive statistics
Dr Luca Pancani Dr Dario Monzani	Cleaning data Management of missing data and replacement techniques Reliability and validity of the measurements Introduction to Principal Component Analysis and Exploratory Factor Analysis
Dr Luca Pancani Dr Dario Monzani	Exploratory factor analysis
Dr Luca Pancani Dr Dario Monzani	Introduction to inferential statistics The contingency tables and the chi-square statistic Comparisons between means and the various types of t-tests
Dr Luca Pancani Dr Dario Monzani	One-way analysis of variance (ANOVA) The covariance analysis (ANCOVA) ANOVA in the between-subjects factorial designs ANOVA in drawings with repeated measures (within-subjects) Mixed ANOVA with between- and within-subjects effects
Dr Luca Pancani Dr Dario Monzani	Multivariate analysis of variance (MANOVA) Nonparametric tests
Dr Luca Pancani Dr Dario Monzani	Covariance and correlation Simple linear regression with different types of independent variables The confidence intervals and the size of the effect
Dr Luca Pancani Dr Dario Monzani	Multiple linear regression and collinearity tests Hierarchical regression The nonlinear effects Logistic regression, Mention to other regression models

Dr Luca Pancani Dr Dario Monzani	Introduction to power analysis Calculation of the sample size and applications with G * power
Dr Luca Pancani Dr Dario Monzani	Introduction to path analysis models The simple mediation analysis
Dr Luca Pancani Dr Dario Monzani	Mediation analysis with mediators in parallel Mediation analysis with multiple mediators in series The simple moderation analysis and the simple slope analysis Moderation analysis with two and three-way interactions
Dr Luca Pancani Dr Dario Monzani	Mediation and moderation Moderate mediation models
Prof. Alessandro Stievano	Qualitative research