

Call for applications for PhD programmes

**Positions with scholarship of innovative PhD programme with industrial characterization
(cycle XLI - aa.yy. 2025/2028)**

Reopening of Terms

PhD programme in QUANTITATIVE METHODS IN ECONOMICS

PhD Coordinator: Prof. Margherita Scoppola

Positions with scholarship		1
Curriculum/Research topics	Description	
MAPPING THE LEVEL OF DIGITALISATION IN THE MARCHE PRODUCTION SYSTEM AND ANALYSING THE IMPACT ON COMPANY PERFORMANCE AND EMPLOYMENT Curriculum QME3 - ADVANCED DATA ANALYSES	The Ph.D. program is developed over three years: • a first year of courses, seminars and exams common to all curricula and aimed at teaching advanced topics in quantitative methods; • a second year of international research and training, spent in international institutions (with an increase of 50% for the research scholarship amount) and by a company of the cluster; • a third year of research activity for completing the Ph.D. thesis. The reaserch will provide a comprehensive and up-to-date overview of the level of digitalization within the production system of the Marche region, analyzing its determinants, areas of application, and effects on business performance and employment. The PhD student will collect, integrate, and analyse microeconomic data, thorough advanced tools in quantitative analysis, such as Machine Learning techniques applied to economics, the construction of composite indicators, and impact evaluation.	
Language requirements	English B2 level or higher. For candidates for whom Italian is not L1: basic knowledge of the Italian language	
Obligations for enrollees	Lessons attendance of your own curriculum, and of QME programme's other curricula and lessons attendance of the PhD School (for the number of credits established by the guidelines). Enrollees in the second or third year must spend a minimun six-months period abroad at Universities or Research Centers Study and research activities in one or more companies belonging to the project partner cluster.	