

**CALL FOR APPLICATIONS FOR PhD PROGRAMMES
(CYCLE XLII – Academic Years 2026/2029)**

Positions with university scholarship, positions without scholarship and with funded scholarship for a specific research topic

PhD PROGRAMME in QUANTITATIVE METHODS IN ECONOMICS

PhD Coordinator: Margherita Scoppola

Positions with university scholarship	4
Positions without scholarship	1

Curriculum	Research topics	Scientific Disciplinary Area
QME1 - Computable General Equilibrium Models and Multisectoral Analysis	<i>Input-Output analysis</i>	ECON-01/A - ECONOMICS ECON-02/A - ECONOMIC POLICY ECON-04/A - APPLIED ECONOMICS
	<i>Multi-sectoral models and computable general equilibrium models</i>	
	<i>Computational methods for macro and microeconomics</i>	
QME2 - Mathematical, Statistical and Econometric methods	<i>Mathematics and Statistics</i>	ECON-02/A - ECONOMIC POLICY ECON-05/A - ECONOMETRICS ECON-04/A - APPLIED ECONOMICS STAT-01/A – STATISTICS STAT-02/A – ECONOMIC STATISTICS STAT-04/A - MATHEMATICAL METHODS OF ECONOMICS AND OF ACTUARIAL AND FINANCIAL SCIENCES
	<i>Linear regression</i>	
	<i>Panel data econometric</i>	
	<i>Time series analysis</i>	
	<i>Multivariate analyses</i>	
QME3 - Advanced Data Analysis	<i>Machine learning</i>	ECON-01/A - ECONOMICS ECON-02/A - ECONOMIC POLICY ECON-07/A – ECONOMICS AND BUSINESS MANAGEMENT STAT-01/A - STATISTICS STAT-03/A - DEMOGRAPHY STAT-03/B - SOCIAL STATISTICS STAT-04/A - MATHEMATICAL METHODS OF ECONOMICS AND OF ACTUARIAL AND FINANCIAL SCIENCES
	<i>Social Network Analysis</i>	
	<i>Data mining</i>	
Specific requirements for the competitive exam	Language requirements: English B2 level or higher. Basic knowledge in economics, economic policy and quantitative methods in economics.	
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 minimum six-months period abroad at Universities or Research Centers.	
Date and place of the interview	7 July 2026 – 2:00 p.m. Department of Economics and Law, Piazza Strambi n.1, Macerata	