STATISTICAL METHODS AND APPLICATIONS (SMA) Academic year 2023-2024

Curriculum QUANTITATIVE ECONOMICS

120 ECTS 12 Exams + other educational activities

Educational Activities		ECTS	Year	Term
Characterizing	Mandatory: no choice	LC13	rear	161111
48 ECTS	1. Stochastic processes	9	1	1
	2. Advances in data analysis and statistical modeling or Probability and Statistics	9	1	1
	3. Sample surveys	9	1	2
	4. Applied econometrics	6	1	2
	5. Efficiency and productivity analysis	9	1	2
	6. Multiple Time Series	6	2	2
Supplementary	Elective: you can choose courses for the corresponding number of ECTS			
18 ECTS	7-8. Empirical economics	9	1	2
	7-8. International monetary economics	9	1	2
	7-8. Economic History	9	1	2
18 ECTS	9-11. Statistical learning	6	1	2
	9-11. Algorithms and data structures	6	1	2
	9-11. Bayesian modeling	9	2/1	1
	9-11. Computational statistics	9	2/1	1
	9-11. Development Finance	6	2	2
	9-11. Big data analytics	6	2/1	2
Free choice	Elective: you can choose activities/courses for the corresponding total number of ECTS			
9 ECTS	12. Free-choice exams from the list of available courses/AAF at Sapienza	9	1	1
Other educational activities	AAF on INFOSTUD: you can choose activities/courses for the corresponding number of ECTS			
6 ECTS	 Laboratory of stochastic processes Complementary activities Reading seminars Laboratory of financial and monetary statistics Laboratory of machine learning Case studies and statistical consulting Complementary activities 	3 3 3 3 3 6	1 1 1 1 1 1 2	1 1 1 2 2 2 1
Master Thesis				
21 ECTS Master Thesis		21	2	2