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

Curriculum OFFICIAL STATISTICS

120 ECTS	12 Exams + other educational activities			
Educational Activities		Ects	Year	Term
Characterizing courses	Mandatory: no choice	-		
54 ECTS	1. Stochastic processes	9	1	1
	2. Bayesian modeling or The role of International Organizations in producing	6	1	1
	Official Statistics	6	1	2
	3. Sample surveys	9	1	2
	4. Data cleaning and integration in official statistics	6	1	2
	5. Data quality and other topics of official statistics	6	1	2
	Laboratory of financial and monetary statistics	3	1	2
	6. Spatial statistics and statistical tools for environmental data	9	2	1
	7. Applied Econometrics	6	1	2
Supplementary courses	Elective: you can choose for each sub-block of activities/courses for the corresponding number of ECTS			
9 ECTS	8. Advances in data analysis and statistical modeling or Probability and Statistics	9	1	1
	8. Computational Statistics	9	2	1
6 ECTS	9. Big data for official statistics	6	1	1
	9. Survey methodology	6	1	2
	9. Algorithms and data structures	6	1	2
	9. Computational Statistics	6	2	1
	9. Big Data Analytics	6	2	2
	9. International Demography	6	2	2
	9. Efficiency and productivity analysis	6	2	2
	9. Multiple Time Series	6	2	2
Free choice	Elective: you can choose activities/courses for the corresponding total number of ECTS			
9 ECTS	10. Free-choice exam from the list of available courses and/or AAF at Sapienza	9	1	1
Other educational activities	AAF on INFOSTUD: you can choose only in the last sub- block of activities for the corresponding number of ECTS			
9 ECTS	11. Internship/Stage	9	1	2
3 ECTS	Laboratory of stochastic processes	3	1	1
	Complementary activitiesCase studies and statistical consulting	3	1	1 2
	Laboratory of machine learning	3	1	2
Master Thesis			-	·1
30 ECTS		30		
•		•	This versi	ion: 07/19/23