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Double Master's Degree Agreement between the Department of Statistics, Athens University of Economics and Business, and the Department of Political Science, University of Naples

In line with its strategic internationalization plans and ongoing international cooperation, Athens University of Economics and Business (AUEB) has proceeded with a new dual degree program agreement, this time with the University of Naples, Italy. More specifically, full-time students enrolled in the M.Sc. in Statistics program at the Department of Statistics, AUEB, will have the opportunity to also complete the postgraduate program *(Laurea Magistrale) in Statistical Science for Decisions (Scienze Statistiche per le Decisioni), at the Department of Political Science,* University of Naples. The mobility of students will also be funded by the ERASMUS + program. In a reciprocal arrangement, postgraduate students of the University of Naples will also be able to attend the full-time M.Sc. in Statistics program at AUEB.

More specifically, AUEB students will attend both semesters of the first year at their home university. In Athens, AUEB students must pass the courses of Table 1.

AUEB students will attend both semesters of the second at the partner university (UNINA). In Naples, AUEB Students must pass the courses of Table 2 for **Statistical Learning & Intelligent Data Analysis curriculum** and the courses of Table 3 for **Statistics for Human and Social Sciences curriculum**.

The thesis will be common in both M.Sc. programs but it will need to meet the requirements of both Universities.

Table 1 Courses that AUEB students need to take at AUEB for the Master of Science in Statistics

AUEB Courses (1st year) for AUEB students	**ECTS**	**Semester**
Compulsory courses		
Data Analysis	7,5	Winter
Generalized Linear Models	7,5	Winter
Computational Statistics	7,5	Winter
Probability and Statistical Inference	7,5	Winter
2 (out of 3) main cycle courses	15	Summer
4 optional courses	12	Summer
Short courses/seminar/activities of M. Sc.	3	
TOTAL	**60**	
Cycle A: Data Analytics		
Health Data Science (main)	7,5	
Advanced Survey Sampling Methods	3,0	
Statistical Quality Control	3,0	
Topics in Applied Statistics: Statistical Genetics - Bioinformatics	3,0	
Cycle B: Statistical Data Science		
Statistical and Machine Learning (main)	7,5	
Data Management	3,0	
Bayesian Models in Statistics	3,0	
Topics in Computational Statistics: Applied Stochastic Modeling	3,0	
Cycle C: Finance & Stochastics		
Financial Analytics (main)	7,5	
Probability Theory	3,0	
Stochastic Modeling in Finance	3,0	
Advanced Stochastic processes	3,0	
Topics in Stochastics: Stochastic Models in Operation Research	3,0	

Table 2 Courses that AUEB students need to take at UNINA for the Master of Science in Statistical Science for Decision *(Statistical Learning & Intelligent Data Analysis curriculum)*

UNINA Courses (2nd year) for AUEB students	**ECTS**	**Semester**
Statistical Models for Complex Data	6	Winter
Statistical Learning	6	Summer
Actuarial Mathematics + Optimisation and Decision Making for Management	9	Winter/Summer
One course to choose: - Credit And Financial Risk Analysis - Statistical Methods for Credit Scoring - Bioinformatics - Machine Learning	6	Winter
Course(s) of the student's choice	12	
Further knowledge and traineeship	3	
Thesis discussion	18	
TOTAL	**60**	

Table 3 Courses that AUEB students need to take at UNINA for the Master of Science in Statistical Science for Decision *(Statistics for Human and Social Sciences curriculum)*

UNINA Courses (2nd year) for AUEB students	**ECTS**	**Semester**
Statistical Methods for Complex Data + Statistical Methods for Behavioural Sciences	6 + 6	Winter/Summer
One course to choose: - Economic Statistics - Demographic Methods and Models	9	 Winter Summer
Related/Supplementary Teaching	6	
Course(s) of the student's choice	12	
Further Knowledge and Traineeship	3	
Thesis Discussion	18	
TOTAL	**60**	

Applications for the next academic year will be open from May to September.

Currently, three (3) positions are available in the Double Degree program, with the possibility of expanding to more positions, in case of increased interest.