Program name: Applied Mathematics

Program Description:

The purpose of this Master is to provide solid training for students who have acquired a license or a DES in areas of mathematics that are the subject of active research such as partial differential equations, optimization, control theory. At the end of this Master's degree, students can on the one hand carry out teaching tasks at secondary and university level, and on the other hand, pursue higher education by preparing a doctorate in mathematics. The detailed program is given on the Table below.

Level	Semester	Subjects taught (modules)	
1st year	S1	- Probability Theory Complement - Functional analysis 1 - Complements on integration and Lebesgue spaces	- Numerical methods - Linear programing - Foreign language (English) - Work ethics and deontology
	S2	- Distribution 1 - Functional analysis 2 - Inferential statistics - Optimization with constraints	- Partial differential equations - Latex - Thinking skills
2nd year	S3	- Distribution 2 - Variational theory of elliptic equations - Random processes and system reliability	- Control theory - Dynamical systems and introduction to chaos - Seminars - Scientific writing
	S4	- Final project	