ANNEX I: Study Programme "Padova to PSL"

YEAR	SEAT	TEACHING	ECTS CREDITS	ITALIAN SSD / DISCIPLINE	TYPOLOGY (ITALIAN RULES)	AREA
1°	PADOVA	DIFFERENTIAL GEOMETRY	8	MAT/03	CHARACTERISING	
		TEACHINGS IN THE FOLLOWING LIST: • INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS • FUNCTIONS THEORY • CALCULUS OF VARIATIONS • ADVANCED ANALYSIS	16	MAT/05	CHARACTERISING	
		STOCHASTIC ANALYSIS	7	MAT/06	CHARACTERISING	
		TEACHING IN THE FOLLOWING LIST: • DYNAMICAL SYSTEMS • SYMPLECTIC MECHANICS • NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS	7	MAT/07 MAT/08	CHARACTERISING	
		TEACHINGS IN THE FOLLOWING LIST: • INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS • FUNCTIONS THEORY • CALCULUS OF VARIATIONS • ADVANCED ANALYSIS • DIFFERENTIAL EQUATIONS • HARMONIC ANALYSIS • INTRODUCTION TO STOCHASTIC PROCESSES • STOCHASTIC METHODS FOR FINANCE • OPTIMIZATION FOR DATA SCIENCE • COMPUTATIONAL FINANCE • DYNAMICAL SYSTEMS • SYMPLECTIC MECHANICS • NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS	22	MAT/05 MAT/06 SECS-S/06 MAT/09 SECS-P/05 MAT/07 MAT/08	COMPLEMENTARY	
			60			

YEAR	SEAT	TEACHING	ECTS CREDITS	ITALIAN SSD / DISCIPLINE	TYPOLOGY (ITALIAN RULES)	AREA
2°	PARIS DAUPHINE	TEACHINGS IN THE FOLLOWING LIST: • INTRODUCTION TO NON-LINEAR PDES • INTRODUCTION TO EVOLUTION PDES • MEAN FIELD GAMES • STOCHASTIC CONTROL • JUMP PROCESSES • LARGE DEVIATION AND APPLICATIONS • HAMILTONIAN DYNAMICAL SYSTEM • INTRODUCTION TO CELESTIAL AND HAMILTONIAN MECHANICS • NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS AND CONTROL • MONTE-CARLO AND DETERMINISTIC METHODS FOR PARABOLIC EQUATIONS	12	MAT/05 MAT/06 MAT/07 MAT/08	CHARACTERISING	
		FREE EXAMS	8		FREE	
		SEMINARS	4		OTHER	
		MASTER THESIS	36		THESIS	
			60			

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