

PTP Innovative Smart System (ISS)

Training Unit	Person in Charge	Code	L*	T*	PW*	Exam	Total	ECTS
Smart Devices	J. Grisolia	I5SSEN11	8,75	0	51,25		60	5
Microcontrollers and Open-Source Hardware (MOSH)	J. Grisolia		8,75		11,25	R*/O*/P*	20	
Computer Aided Design (CAD)					40		40	
Communication	D. Dragomirescu	I5SSCM11	50	0	13,75		63,75	5
Protocols for connected objects	S. Abdellatif D. Dragomirescu E. Sicard		25		8,25	R/O/P	33,25	
Wireless digital communications for connected objects	A. Boyer		5			R/O/P	5	
Energy for connected objects (recovery, transfer)	JM. Dilhac		7,5			R/O/P	7,5	
Security in the Network of connected objects	E. Alata V. Nicomette		7,5			R/O/P	7,5	
Emerging Networks (SDN, NGN)	S. Abdellatif		5		5,5	R/O/P	10,5	
Middleware and Service	T. Monteil	I5SSIL11	13,75	12,5	35,75		62	5
Service Architecture	N. Guermouche		7,5	12,5	11	R/O/P	31	
Middleware for the Internet of Things	T. Monteil		2,5		11	R/O/P	13,5	
Adaptability: Cloud and autonomous management	T. Monteil		3,75		13,75	R/O/P	17,5	
Analysis and data processing, business applications	N. Guermouche	I5SSIF11	13,75	10	13,5		37,25	4
Software engineering	N. Guermouche		3,75	2,5		R/O/P	6,25	
Semantic data processing	N. Hernandez		2,5		5,5	R/O/P	8	
Processing and analysis of data: Big Data	M. J. Huguet		7,5	7,5		R/O/P	15	
SPOC/examinations/conferences	T. Monteil				8	R/P	8	
Innovative production	T. Monteil	I5SSRS11	0	35	46,5		81,5	5
Integrative project	T. Monteil				38,5	R/O/P	38,5	
Portfolio	T. Monteil				8	R/O/P	8	
English	M.A. Detourbe			35		R/O/P	35	
Innovation and humanity	H. Hereng	I5SSGE11	45	50,5	0		95,5	6
Innovation / Social acceptability / Business Development	H. Hereng		20			R/O/P	20	
Creativity methods / TRIZ methods	R. Bary		5	15,5		R/O/P	20,5	
Team management	B. Jalenques H. Hereng		20			R/O/P	20	
Sport	V. Gros S. Rossard			25		Traineeship	25	
Individualized Personal Project	T. Dupont			10		R/O	10	
Total Semester			131,25	108	160,75		400	30

L: Lecture

T: Tutorials

PW: Practical Work

R: Report

O: Oral

P: Production