COURSE: Programming		
DEGREE: Bachelor in Telematics Engineering	YEAR: 1	TERM: 1

WEEKLY PLANNING

WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	(Theory) Introduction Foundations of programming: computer architecture	X			NO	Configure the programming environment in the personal computer *Video of environment configuration*	1,66	6,5
	2	(Laboratory) Programming environment: configuration		X	Computer classroom	NO		1,66	
2	3	(Theory) Foundations of programming: the concept of algorithm and exercises	X			NO	Compile and execute the examples *Videos of algorithms, Java basics and data types*	1,66	6,5
	4	(Laboratory) Programming environment: configuration		X	Computer classroom	NO		1,66	
3	5	(Theory) Exercises on algorithms Java syntax: basics of the language • The Java class: concept and syntax	X			NO	Finalize programming exercises on data representation *One exercise evaluated individually*	1,66	6,5
	6	(Laboratory) Exercises on data representation		X	Computer classroom	NO		1,66	
4	7	(Theory) Exercises on algorithms	X			NO	Finalize programming exercises on data types and operators	1,66	6,5

		Java syntax: basics of the language • Primitive data types, operators, output, Math					*One exercise evaluated individually and cross-evaluation*		
	8	(Laboratory) Exercises on programming: data types and operators		X	Computer classroom	NO		1,66	
5	9	(Theory) Java syntax: standard classes	X			NO	Finalize programming exercises on strings of characters *Videos of conditional statements and looping statements* *Cross-evaluation and e-learning test*	1,66	6,5
	10	(Laboratory) Exercises on programming: strings of characters		X	Computer classroom	NO		1,66	
6	11	(Theory) Java syntax: flow control Exercises on algorithms	X			NO	Start programming exercises on loop sentences *One exercise evaluated individually*	1,66	6,5
	12	(Laboratory) Exercises on programming: flow control		X	Computer classroom	NO		1,66	
7	13	(Theory) Java syntax: flow control	X			NO	Finalize programming exercises on loop sentences *One exercise evaluated individually and cross-evaluation*	1,66	6,5
	14	(Laboratory) Exercises on programming: flow control		X	Computer classroom	NO		1,66	
8	15	(Theory) Java syntax: flow control	X			NO	Partial exam in class: control flow *Cross-evaluation and e-learning test*	1,66	6,5
	16	(Laboratory) Exam in class		X	Computer classroom	SI		1,66	
9	17	(Theory) Java syntax: arrays Exercises on programming: arrays	X			NO	Start programming exercises on arrays *Videos of arrays and functions*	1,66	6,5
	18	(Laboratory) Exercises on programming: arrays		X	Computer classroom	NO		1,66	
10	19	(Theory) Exercises on programming: arrays	X			NO	Finalize programming exercises on arrays *One exercise evaluated individually*	1,66	6,5
	20	(Laboratory) Exercises on programming: arrays		X	Computer classroom	NO		1,66	
11	21	(Theory) Exercises on programming: all	X			NO	Partial exam in class: arrays *One exercise evaluated individually and cross-evaluation*	1,66	6,5
	22	(Laboratory) Final Project: introduction		X	Computer classroom	SI		1,66	
12	23	(Theory) Java syntax: functions Exercises on programming: all	X			NO	Start with control methods *Cross-evaluation and e-learning test*	1,66	6,5
	24	(Laboratory) Final project: definition of control methods		X	Computer classroom	NO		1,66	

13	25	(Theory) Exercises on programming: all	X			NO	Finalize control methods	1,66	6,5
	26	(Laboratory) Final project: definition of control methods		X	Computer classroom	NO		1,66	
14	27	(Theory) Exercises on programming: all	X			NO	Partial exam in class	1,66	6,5
	28	(Laboratory) Exam in class		X	Computer classroom	SI		1,66	
	29	Additional session (Laboratory) Final project: doubts and issues		X	Computer classroom	SI		1,66	3,25
							Subtotal 1	**48**	**94**
		Total 1 *(Hours of class plus student homework hours between weeks 1-14)*						142	
15		Tutorials,handing in,etc						3,6	-
16		Final exam	X				Prepare the final exam of the course	4	10
17									
18									
							Subtotal 2	**8**	**10**
		Total 2 *(Hours of class plus student homework hours between weeks 15-18)*						18	
TOTAL *(Total 1 + Total 2. Maximum 180 hours)*								**160**	