



WEEKLY PLANNING									
Week	Session	Description	Groups		Location	Weekly programming for student			
			Lecture	Seminar		Description	Class hours	Homework hours	
1	1	Course introduction. Unit 1. Introduction to integrated circuit design	X		Online	Study the theory	1,67	5	
	2	Unit 2. Digital circuit design with HDL (I)		X	Classroom	Solve proposed exercises	1,67		
2	3	Unit 2. Digital circuit design with HDL (II)	X		Online	Study the theory	1,67	6	
	4	Exercises of digital circuit design		X	Classroom	Solve proposed exercises	1,67		
3	5	Unit 2. Validation	X		Online	Study the theory. Prepare lab session 1	1,67	6	
	6	Practice 1 (VHDL)		X	Laboratory	Study the theory	1,67		
4	7	Unit 2. Architectures (1)	X		Online	Study theory and prepare exercises	1,67	5	
	8	Exercises		X	Classroom	Solve proposed exercises	1,67		
5	9	Unit 2. Architectures (2)	X		Online	Study the theory. Prepare lab session 2	1,67	6	
	10	Practice 2 (VHDL)		X	Online	Estudio de conceptos	1,67		
6	11	Unit 3. Introduction to microelectronics. Digital integrated circuits (I)	X		Online	Study the theory. Prepare lab session 3	1,67	5	
	12	Practice 3 (VHDL)		X	Laboratory	Study the theory	1,67		
7	13	Unit 3. Digital integrated circuits (II)	X		Online	Study the theory. Prepare the mid-term exam	1,67	5	
	14	Mid-term exam VHDL		X	Classroom	Review concepts	1,67		
8	15	ICs exercises	X		Online	Review concepts	1,67	6	
	16	Unit 4. Manufacturing and layout		X	Classroom	Study theory and prepare exercises	1,67		
9	17	Unit 4. Layout exercises	X		Online	Study theory and solve exercises	1,67	7	
	18	Demo microwind		X	Classroom	Practice with microwind	1,67		
10	19	Unit 5. Analog integrated circuits (I)	X		Online	Study theory and solve exercises	1,67	5	
	20	Exercises		X	Classroom	Work on the proposed project	1,67		
11	21	Unit 5. Analog integrated circuits (II)	X		Online	Study theory and prepare the proposed project	1,67	7	
	22	Unit 5. Exercises		X	Classroom	Solve proposed exercises	1,67		
12	23	Unit 5. Exercises	X		Online	Study the theory. Prepare lab session 4	1,67	5	
	24	Practice 4 (ICs)		X	Online	Work on the proposed project	1,67		
13	25	Unit 6. Specific considerations	X		Online	Study theory	1,67	6	
	26	Unit 6. Specific considerations		X	Classroom	Study theory	1,67		
14	27	Unit 6. Specific considerations	X		Online	Solve proposed exercises	1,67	5	
	28	Exercises			Classroom	Solve proposed exercises	1,67		
	29	Exercises	X		Online	Solve proposed exercises	1,67		
SUBTOTAL							48,43	84	
16-18		Assessment			Classroom		3	15	
TOTAL								150,43	