Universidad Carlos III de Madrid
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COURSE: Logic		
DEGREE: Computer Science and Engineering	**YEAR: 1**	**TERM: 2**

La asignatura tiene 25 sesiones que se distribuyen a lo largo de 14 semanas. En cuatro de ellas habrá dos profesores.

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	Introduction to the course		X		NO	Read the recommended literature	1,6	
1	2	Unit 1. Introduction to formal systems - Calculus. Definition - Consideration on calculi Unit 2. Representation and syntax in propositional calculus - Introduction to propositional calculus - Syntax	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	2,5
2	3	Exercises		X		NO	Finish the exercises	1,6	
2	4	Unit 3. Proof theory in propositional calculus	X			NO	Study the contents explained in the theoretical session	1,6	5

		- Introduction to Kleene's algebra - Proof and deduction					Read the recommended literature		
3	5	Exercises		X	Classroom	NO	Finish the exercises	1,6	
3	6	Unit 3 (II) - Proof and deduction	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
4	7	Exercises		X	Classroom	NO	Finish the exercises	1,6	
4	8	Unit 3 (III) - Calculus with assumptions	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
5	9	Exercises		X		NO	Finish the exercises	1,6	
5	10	Unit 4. Representation and syntax in predicate logic	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
6	11	Exercises Pre-validation I session		X	Remote computer classroom	YES	Finish the exercises	1,6	
6	12	Test I	X		Classroom	NO	Preparation for the first test	1,6	5
7	13	Prolog sesión (I)		X	Remote computer classroom	YES	Introduction to Prolog	1,6	
7	14	Unit 5. Proof theory in predicate calculus - Introduction to Kleene's algebra	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
8	15	Prolog sesión (II)		X	Remote computer classroom	YES	Prolog exercises	1,6	
8	16	Unit 5 (II) - Proof and deduction	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
9	17	Exercises		X		NO	Finish the exercises	1,6	
9	18	Unit 5 (III) - Proof and deduction	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
10	19	Exercises		X		NO	Finish the exercises	1,6	
10	20	Unit 6. Semantic theory - Semantic theory for propositional calculus - Semantic theory for predicate calculus (I)	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
11	21	Exercises		X		NO	Finish the exercises	1,6	5

11	22	Unit 6. (II) - Semantic theory for predicate calculus (II)	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	
12	23	Exercises		X	Classroom	NO	Finish the exercises	1,6	
12	24	Unit 7. Resolution - Prenex normal form - Skolem normal form	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
13	25	Exercises		X	Classroom	NO	Finish the exercises	1,6	
13	26	Unit 7 (II) - Resolution method	X			NO	Study the contents explained in the theoretical session Read the recommended literature	1,6	5
14	27	Exercises Pre-validation II session		X	Remote computer classroom	YES	Finish the exercises	1,6	
14	28	Test II	X			NO	Prepare for the second test	1,6	5
							Subtotal 1	**49,99**	**67,5**
							Total 1 *(Hours of class plus student homework hours between weeks 1-14)*	117,49	

15	29	Tutorials, handing in, etc		X		NO	Tutorial	4	
16		Assessment						3	21
17									
18									
							Subtotal 2	**3**	**25**
							Total 2 *(Hours of class plus student homework hours between weeks 15-18)*	28	

TOTAL *(Total 1 + Total 2)*	**145.49**