ProjFE/UP-2324 Themes: L.EIC

Theme	Problem	Supervisor	Monitor	Team Cl	ass	Living room	Note.
Applications of Number Theory	How is it used in cryptographic algorithms?	- Jorge Barbosa	Melissa Silva	1LEIC01 –	1 two	B 101	^{6th f} 2pm-3:30pm (*)
	How is it used in Optimization algorithms?				3 4		
"Orders" in Logic	What is first order logic?	- Jorge Barbosa	Ana Matilde Bar	1LEIC02	1 two	- B 101	^{6th f} 2pm-3:30pm (*)
	What is Higher Order Logic?				3 4		
Graphs in Real Applications	How are they used on Social Networks?	- Magalhães Cruz	Carlos Gomes	1LEIC03 -	1 two	- B 308	4th f 11am-12:30pm (*)
	How are they used in Computer Networks?				3 4		
Discrete Mathematics	What are they in it "g <i>big problems</i> "?	– Magalhães Cruz	Mariana Lobão	1LEIC04	1 two	- B 308	4th f 11am-12:30pm (*)
	How does it compare to Mathematics? <i>to be continued</i> "?				3 4		
History of Computing	Who was Alan Turing?	– Correia Lopes	Diogo Babo	1LEIC05	1 two	– B 109	4th f 9:30am-11am (*)
	Who was Donald Knuth?				3 4		
Modern Programming Languages (I)	What is the Go language?	– Correia Lopes	Fernando Rego	1LEIC06	1 two	- B 109	4th f 9:30am-11am (*)
	What is Kotlin language?				3 4		
Modern Programming Languages (II)	What is the R language?	- Magalhães Cruz	Matthew Silva	1LEIC08 -	1 two	- B 303	^{6th f} 2pm-3:30pm (*)
	What is the Ruby language?				3 4		
"Automatic" programming	How is it achieved using special languages?	– Magalhães Cruz	André Lima	1LEIC10	1 two	– B 303	^{6th f} 2pm-3:30pm (*)
	How is it achieved using <i>Chat Generative Pre-trained</i> <i>Transformer</i> or similar?				3 4		
Logic Circuits	What are electronic logic circuits?	- Correia Lopes	Mariana Lobão	1LEIC11	1 two	– B 109	4th f 11am-12:30pm (*)
	What are quantum logic circuits?				3 4		
Open "low-level" computing systems	What is the RISC-V "architecture"?	– Correia Lopes	Carlos Gomes	1LEIC12	1 two	- B 109	4th f 11am-12:30pm (*)
	What is the Arduino "architecture"?				3 4		
"Assembly" language	What is it and how important is it?	- Jorge Barbosa	Fernando Rego	1LEIC13 -	1 two	B 308	4th f
	How do you write programs with it?				3 4	806 0	9:30am-11am (*)
Unconventional computing	What is Molecular Computing?	- Jorge Barbosa	Pedro Machado	1LEIC15 -	1 two	- B 308	4th f 9:30am-11am (*)
	What is Optical Computing?				3 4		

* see weeks inIT Calendar

In general, students are expected to:

- a factual assessment of the situation relating to the topic

- a critical assessment

- improvement proposals