THEME SHEET - L.EIC

Theme	**What are Metaheuristics**	
	In Computer Science there are problems for which a satisfactory solution only seems to be found using special approximate techniques, especially in the face of constraints such as «incomplete or imperfect information or limited computing capacity».	
Problems	**The "Genetic Algorithm" technique**	**The "Ant Colony" technique**
Learning outcomes	At the end of the work, regarding the topic and problem studied, students should be able to: • define the main underlying terms • present a clear, illustrated summary with clarifying examples of the underlying concepts • if possible, identify examples of the use of the underlying concepts in academic life (teaching and research) at FEUP (or U.Porto) • if possible, fit the underlying concepts into one or more of the UN Sustainable Development Goals[*] • present the group's vision, formed after the work has been carried out	
Biblio	Mere example: • Wikipedia: Metaheuristic	
Team #	1 e 2	3 e 4
Class	1LEIC03	
Teaching team	Supervisor: Jorge Barbosa	
	Monitor: Afonso Osório	
	ProjFE/UP Course Coordinator: Magalhães Cruz	

* https://sdgs.un.org/goals