EPOG JOINT MASTER

SYLLABUS

Name of the course:	Complexity Economics						
Teacher:	Magda Fontana						
University / organisation:	University of Turin						
Language of teaching:	English						
ECTS:	6						
Semester (S1, S2, S3 or S4):	☐	S1	☑	S2		S3	S4
Teaching method(s):	☐☑	Lecture courses	☐☑	Flipped classroom			
	Other:						
Type(s) of evaluation:	☐☑	Sitting exam	☐	Written report			
	☐	Oral defence	☐☑	Group project			
	Other / comments:						
Expected deadline(s) for the evaluation(s)	June July 2025						
Expected date of final results:	June July 2025						
Summary of the content:	The course provides training in structuring, coding and analyzing agent-based models, mainly in Netlogo. The core idea is that many (if not most) economic phenomena can be effectively modelled with agents, an environment and a description of agent-agent and agent-environment interactions.						
Indicative list of lectures:	Railsback S.F. and V. Grimm (2012), Agent-based and Individual Modeling. Princeton: Princeton University Press. Wilensky U. and W. Rand (2015), An Introduction to Agent-based Modeling. Cambrigde (Mass.): the MIT Press						
Short bibliography:							