



Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

4 credits

12.0 h + 36.0 h

Q1

Teacher(s)	Wesselingh Renate ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Analytical and simulation models, game theory, Evolutionarily Stable Strategies, population- and individual-based models, spatial models.
Aims	<p>1 This course will teach the different categories of ecological and evolutionary models, how to formalize ecological and evolutionary processes and turn them into analytical and simulation models using R, and how to use the results of such models.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Bibliography	Railsback, S.F. & V. Grimm (2019) Agent-based and individual-based modelling, 2nd edition. Princeton University Press, Princeton, NJ, USA.
Faculty or entity in charge	BIOL

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Biology of Organisms and Ecology	BOE2M	4		
Interdisciplinary Advanced Master in Science and Management of the Environment and Sustainable Development	ENVI2MC	4		
Master [120] in Environmental Science and Management	ENVI2M	4		