

4.00 credits

24.0 h + 24.0 h

Q1

Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	<p>Students enrolled in LGEO1342A are evaluated with a theoretical written exam (50%) and a practical written exam (50%). This is identical in the August session.</p> <p>Succeeding in both the practical and theoretic evaluation is indispensable to demonstrate the competence and knowledge expected at the issue of the course. Failing either theory or practice will automatically lead to failing the whole unit.</p>
Teaching methods	Lectures integrating elements of flipped classroom and presentations by professionals. Practical sessions.
Content	<p>The course offers to acquire theoretical and conceptual principles that underpin the use of geographic information systems (GIS), and to learn the use of a GIS software.</p> <ul style="list-style-type: none"> • Develop an understanding of the basic principles and functionalities of a geographic information system, including acquisition, storage, and processing of spatial data, spatial analysis methods. • Master the use of a GIS software (eg ArcView GIS and the "spatial analyst extension"). • Develop the capacity to present and analyse spatial data in a GIS.
Inline resources	All useful resources are on Moodle.
Faculty or entity in charge	GEOG

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biology of Organisms and Ecology	BOE2M	4		