UCLouvain

larct1381

2026

Transversality: Territories

4.00 credits	20.0 h + 30.0 h	Q1

Teacher(s)	Grosjean Benedicte ;Nottebaert Anne ;
Language :	French
Place of the course	Tournai
Prerequisites	*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes	The aim of the 'transversality' courses is to bridge the approaches from the theoretical courses and from the design studios through operative concepts, reference analyses and investigation methods. This course introduces students to the analysis of built and unbuilt spaces at various scales. It covers elements of physical geography and environmental sciences, as well as urban and landscape morphologies. Students will utilize methods and tools of urban and environmental analysis to understand and produce structures, infrastructures, and territorial configurations. The course also includes an introduction to forward-thinking tools such as visions, scenarios, and foresight techniques.
Learning outcomes	**At the end of this learning unit, the student is able to :** **Specific Learning Outcomes** By the end of this course, students will be able to: • Describe and analyze the various layers that constitute built and unbuilt spaces, • Conduct a multiscale analysis of an area through both *in situ* immersion and cartographic work, combining diverse analytical methods, • Generate retrospective and prospective analyses, • Produce a critical synthesis of cross-readings, addressing the political dimensions of regional planning. **General Learning Outcomes** In line with the program's learning outcomes (LOs), this course contributes to the development and acquisition of the following LOs: • LO1.1 Identify the parameters and issues of a given situation. • LO1.2 State the intentions and choices of an architectural project at different intervention scales. • LO1.6 Incorporate Sustainable Development requirements into the design process, at multiple scales. • LO2.6 Depict environmental, social, and economic phenomena with proficiency. • LO3.4 Acquire and explain the environmental, social, and economic consequences of construction and technical choices • LO4.3 Learn and apply the content of artistic or scientific disciplines to enrich the architectural project. • LO5.3 Advocate for exemplary architecture in light of Sustainable Development requirements. • LO6.2 Adopt a critical attitude free from any preconceptions.

Bibliography	BIHOUIX Ph., Jeantet S., De Selva C. (2022), *La ville stationnaire, comment mettre fin à l'étalement urbain ?*, Actes Sud. BRINCKERHOFF JACKSON John, *De la nécessité des ruines et autres sujets*, traduit de l'américain et présenté par Sébastien Marot., Paris, Ed du Linteau, 2005 CORBOZ, André, *Le territoire comme palimpseste* et autres essais, Besançon, éd de l'imprimeur, 2001 DECLEVE B. (et al.), *La ville en communs,* MetisPresses, pp.217-225. GROSJEAN Bénédicte, *Urbanisation sans urbanisme. Une histoire de la ville diffuse,* Bxls : éd. Mardaga, 2010. LATOUR B., (2015), *Face à Gaïa. Huit conférences sur le nouveau régime climatique,* éd. La Découverte, Paris. LYNCH Kevin, *L'image de la cité,* Paris : éd. Dunod, 1998. (1e éd. 1960). MAROT. S, *Prendre la clef des champs : agriculture et architecture*, Marseille, Wildproject, 2024 MUMFORD Lewis, *Histoire naturelle de l'urbanisation,* Paris : PUF, 2023 (1e éd. 1956). PANERAI Philippe (et al.), *Analyse urbaine,* éd. Parenthèses, 1999 (1e éd. 1977) . PANERAI Philippe (et al.), *Formes urbaines: de l'îlot à la barre,* éd. Parenthèses, 1997 (1e éd. 1980). MANGIN David, PANERAI Philippe, *Projet urbain,* Marseille : éd. Parenthèses, 1999. Systèmes d'information géographiques BORDIN, P. (2002). SIG : concepts, outils et données. Paris : Hermès Science Publications, 259 p. COLLET, C. (1992). Systèmes d'information géographique en mode image. Lausanne : Presses polytechniques et universitaires romandes, 186 p. NETELER, M. & MITASOVA, H. (2008). Open Source GIS: A GRASS GIS Approach. 3rd ed., New York : Springer, 406 p. ZANIN, C. & TREMOLO, M.-L. (2016). Savoir#faire une carte : aide à la conception et à la réalisation d'une carte thématique. 2e éd., Paris : Belin, 224 p.
Faculty or entity in charge	LOCI

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Architecture (Tournai)	ARCT1BA	4	LARCT1251	