

4.0 credits	25.0 h + 22.5 h	1q
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Teacher(s) :	Cap Jean-François ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	The course introduces to the design of concrete structural elements using limit states methods, and design guidelines based on the Eurocode design code.
Aims :	Study of linear cross section of reinforced concrete <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>
Content :	<ul style="list-style-type: none"> - Mechanical properties of concrete material and reinforcing steel. - Structure analysis and safety concepts. - Analysis and design of beams subjected to flexure, axial force, shear and torsion. - Control of cracking and deformation;
Other infos :	Prerequisite : AUCE 1031
Cycle and year of study :	> Master [120] in Architecture and Engineering > Master [120] in Civil Engineering
Faculty or entity in charge:	GC