

3.0 credits	22.5 h + 15.0 h	1q
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Teacher(s) :	Lambrechts Pascal ; Félix Yves ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Metric spaces Topological spaces Continuous maps . Hausdorff spaces Compact spaces Connectedness
Aims :	The objective is on one hand to initiate students to the notion of topological space and on the other hand to make them find short proofs of topological properties. After this course they will be : - familiar with a large series of topological spaces - able to establish continuity/discontinuity of maps between topological spaces; - able to recognize and to establish the compactness and connectedness of topological spaces and to draw conclusions; - able to build and write short proofs concerning topological properties. <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>
Other infos :	Prerequisite : Mathematical analysis 3
Cycle and year of study :	<a href="#">&gt; Bachelor in Mathematics</a> <a href="#">&gt; Bachelor in Economics and Management</a> <a href="#">&gt; Bachelor in Engineering</a> <a href="#">&gt; Bachelor in Physics</a>
Faculty or entity in charge:	MATH