

5.0 credits	30.0 h + 15.0 h	2q
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Teacher(s) :	Van Schaftingen Jean ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<ul style="list-style-type: none"> <li>- The Cauchy problem</li> <li>- Linear systems</li> <li>- Stability</li> <li>- Boundary value problems.</li> </ul>
Aims :	<p>The theory of differential equations is an important topic in both pure and applied mathematics. In this introductory course, we mainly focus on the study of the Cauchy problem. We also introduce some basic notions of stability as well as some elementary aspects of boundary value problems.</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>
Other infos :	Analyse mathématique 1 et 2, Algèbre linéaire. Some notions introduced in the course Analyse mathématique 3.
Cycle and year of study :	<ul style="list-style-type: none"> <li>&gt; <a href="#">Bachelor in Mathematics</a></li> <li>&gt; <a href="#">Bachelor in Engineering</a></li> <li>&gt; <a href="#">Bachelor in Economics and Management</a></li> <li>&gt; <a href="#">Bachelor in Physics</a></li> </ul>
Faculty or entity in charge:	MATH