

5.0 credits	30.0 h + 22.5 h	1q
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Teacher(s) :	Absil Pierre-Antoine ;
Language :	Français
Place of the course	Louvain-la-Neuve
Prerequisites :	LFSAB1102 (Mathématiques 2) LFSAB1106 (Mathématiques appliquées : signaux et systèmes)
Main themes :	The course is an introduction to the analysis and synthesis of nonlinear dynamical systems. The mathematical tools are illustrated on different applications, preferentially in the fields of neurodynamics, nonlinear control, and physics. Further specific illustrations are presented by the students at the end of the course.
Aims :	<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>
Cycle and year of study :	> Master [120] in Physics > Master [120] in Mathematical Engineering > Master [120] in Biomedical Engineering > Master [120] in Electro-mechanical Engineering
Faculty or entity in charge:	MAP