

5.0 credits	30.0 h + 30.0 h	1q
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Teacher(s) :	Matagne Ernest ; Francis Laurent ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Identical to description
Aims :	<p>The acquisitions and the processing of data related to physical quantities of various nature converted in an electrical signal is a domain of electrical engineering of great actuality. The training of students in engineering to the analysis and design of this type of systems requires a multidisciplinary approach and is at best finalised through case studies.</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>
Content :	<p>The course introduces the types of sensors used for measuring :</p> <ul style="list-style-type: none"> - position, speed, acceleration, force - current, flux, magnetic field - temperature - pressure, <p>and the electronic circuits associated to their use in industrial applications</p>
Other infos :	<p>Teaching method Combination of lectures and practical training in the laboratory</p> <p>A complete syllabus is available</p> <p>Assessment Reports (per group) on the laboratory works. An individual evaluation during the exam session</p>
Cycle and year of study :	<p>> Master [120] in Electro-mechanical Engineering</p> <p>> Master [120] in Physical Engineering</p> <p>> Master [120] in Mechanical Engineering</p>
Faculty or entity in charge:	ELEC