

6.0 credits	0 h + 60.0 h	2q
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Teacher(s) :	Bertrand Patrick ; Lefèvre Philippe (coordinator) ; Thonnard Jean-Louis ; Verleysen Michel ; Dupont Christine ; Delbeke Jean ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	This project aims at integrating at least two disciplines of biomedical engineering. For instance, the following projects could be proposed to the students: - conception of a physiological implant - measure of physiological signals and extraction of physiological noise (EEG, ECG). - analysis of the neural control of movement (gait, eye movements) based on the measure of parameters and mathematical modelling of the system.
Aims :	The objectives of this project are to initiate engineering students to the application of their theoretical knowledge in biomedical engineering. The project will involve a collaboration between theoretical and experimental approaches (faculty of medicine and faculty of engineering). <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 :	This project aims at integrating at least two disciplines of biomedical engineering. For instance, the following projects could be proposed to the students: - conception of a physiological implant - measure of physiological signals and extraction of physiological noise (EEG, ECG). - analysis of the neural control of movement (gait, eye movements) based on the measure of parameters and mathematical modelling of the system.
Other infos :	prerequisite : FSAB 1225 Introduction au génie biomédical.
Cycle and year of study :	<a href="#">&gt; Bachelor in Engineering</a> <a href="#">&gt; Bachelor in Computer Science</a> <a href="#">&gt; Bachelor in Mathematics</a>
Faculty or entity in charge:	BTCI