

3.0 credits	30.0 h	2q
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Teacher(s) :	Verleysen Michel ; Dupont Pierre (coordinator) ;
Language :	Anglais
Place of the course	Louvain-la-Neuve
Prerequisites :	having passed at least one of the following courses: -- INGI2262 Machine Learning -- ELEC2870 Artificial neural networks -- SIN2275 Data mining and decision making
Main themes :	Themes are chosen in the domain of machine learning
Aims :	-- To study in groups current issues in machine learning, pattern recognition or data analysis -- To summarize a technical or scientific paper of the domain, convey it to colleagues, and discuss it with a critical viewpoint <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>
Teaching methods :	The course is organised as a seminar where student meet regularly to present and discuss recent scientific papers. Les séminaires pourront être présentés en anglais ou en français par les étudiants.
Content :	Illustrative examples: -- Semi-supervised learning methods -- Structured data mining (graphs, trees, sequences, etc.) -- Kernel methods for classification and regression -- Variable selection methods -- Hidden Markov models and their applications -- Boosting and bagging algorithms -- Automata induction techniques
Cycle and year of study :	> Master [120] in Computer Science and Engineering > Master [120] in Computer Science
Faculty or entity in charge:	INFO