

2.0 credits	20.0 h	2q
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Teacher(s) :	Van Vyve Mathieu ; Glineur François (coordinator) ; Chevalier Philippe ; Nesterov Yurii ;
Language :	Anglais
Place of the course	Louvain-la-Neuve
Main themes :	Specialists (researchers and professors from UCL and from abroad) will present talks about optimization and operations research in the framework of the Mathematical Programme Seminar at CORE. Reading group of scientific articles concerning optimization and operations research. Presentation by students of a research topic or a scientific article.
Aims :	Initiate the student into advanced questions and recent developments in optimization and operations research. Develop a critical mind and a global approach towards a scientific research. Initiate the student into oral and written scientific communication. <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 :	Students attend the presentations of the weekly seminar in optimization and operations research. In parallel, they take part to reading group sessions dedicated to scientific articles of a historic importance or presenting recent developments in these domains. The seminar presentations and reading group sessions are selected at the beginning of the semester. Students take an active part in both activities. At the end of the semester, they, in turn, present a scientific talk about one of the topics covered during the seminar or within the framework of the reading group.
Other infos :	This course is taught in English. Students are assessed on, among others, their scientific communication skills. Prerequisite : basic education in optimization and operations research is preferable (for example via INMA1691, INMA1702, INMA2470, INMA2471 and INMA2491).
Cycle and year of study :	> Master [120] in Mathematical Engineering
Faculty or entity in charge:	MAP